

<210> 10091

<211> 509

<212> DNA

<213> Homo sapiens

<400> 10091

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tggacgtagt gtaatggcaa	ctccctccac taaaaggccc	cgtcaggctg ggcacagcgg	180
ctcatgcttc taatcccaac	actttgggag gccaaagacag	gaggatgctt gaccccagga	240
gttcaagacc agtcttggca	atgttagcaag accccaactc	tataattttt tttttttttt	300
tgagacggag tctcgctctg	tctcccgagg tggagtgcag	tgggtgcgat ctcggctcac	360
tgcaagctcc acctcccgagg	ttcacaccat tctcctgcct	cagcctccctg agtagttggg	420
accacaggcg cccaccacca	cggccggnta ctttttgga	tttttaagta nagacaggggg	480
ttnactgggg tanccnggaa	tggncttna		509

<210> 10092

<211> 539

<212> DNA

<213> Homo sapiens

<400> 10092

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actctgaaag ccaaaacaaa	aagagctcca aaaaactgtt	gagcaaagtt aagtgccttt	120
tcggaagcaa atctcggat	ttcgaaagcc tggcttgtt	tttctctgtg tgaaaaaaata	180
ttccagattt	taacatgccg tcgcttcaag	gagtttttag cagttccctt gatacatgaa	240
aatcttgttc	tctgaaagct tcaggtgttg	tcttccaga attggttca ctatgtgtga	300
tgccctcgct	ttcttcctt gggcttgtta	gttccttcat cattaggtgt gagatgtgtt	360
atttatagat	gttcgactc ctgggatggc	tcttgaaca cagccctgcc atgtcaatgc	420

acagaaaagcc ccgatttgtt tctgaccgt cttgataatc ttaccgnca cagcttcct 480
 anggttaatt tgcaattaat taathtagng acaggncctcc tgggttgcca acctggctg 539

<210> 10093

<211> 557

<212> DNA

<213> Homo sapiens

<400> 10093

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 accatcacct gcttgaatg gctgcaaatt taccatgttc tggcattaaa gtgatttcaa 180
 ctcttggac aaattgggt aacagtaagc accgagattt caaattccca gatgagaaaa 240
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 atacagtcaa ccccatctca aacccatat ttcttagaaa agtcacccag tcctgaacac 420
 agggtcttat acacaaatac atgttagcttgc atttgcagat cagcctctgg gatccgaccc 480
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<210> 10094

<211> 558

<212> DNA

<213> Homo sapiens

<400> 10094

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 gggcttgctc tcggcggttgc ccatggacca gcagcaccc tttgatccgg tcctgctgga 180

agcccatgtc actgaactgc tcccagaggg gcaggaactc ccctgcctga ggaagaggag	240
acagggaggg tgctggggc tctgctggc ctggcctcaa ccatggggag ccccagctcc	300
agtgcctact gcacctagtc caaaaaagct gtggctaccc ccaggccacg tgagcctgat	360
cctggccgc acctgccact tttctgtacc tgttaggtga tgttaggtcc gacccctt	420
cctctgccaa ggaaagaagg ccccanccctg gccatgggct ctgcctgact ctcttccac	480
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<210> 10095

<211> 558

<212> DNA

<213> Homo sapiens

<400> 10095

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cctcagtagg ggattcttaa agaagacaca tatgcagtga gtggcttgaa tttgaaaga	180
ggtgtgtgt aaggccaggg gtgggtggcc actccccctc tngngccca ctttcattca	240
naaccatccc atttatttgtt ctttctacc agtatctcta caaatcatct ttccattn	300
cagcccttcc tagggggtca catagccacc cctnacataa agaatgagggc tngggtcac	360
agacaagaca caacaatgtt gcccacatcc cgataaaaaa gtgttggca agcacangcc	420
ttacactgga atcagaacaa ngggggaaagg attcaactta ctctggaaac agaccgacnn	480
ggatgaccca tcttgcattc cttttttgg angganaaag ncntgaggct tccttggct	540
ggaaaaaaaaa ttacttgg	558

<210> 10096

<211> 561

<212> DNA

<213> Homo sapiens

<400> 10096

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 atcagcccac ctgcgcctcc caaagtgcgt ggattacagg agtgagccac cacgcccgg 120
 tttttttttt tttttttttt taacagacca aagcgtaag agtccccaaa ggagggaagc 180
 cacccctgcaa tggaatggca gaaccaggat gggtaacct gaagtctcag gtgtcaagac 240
 atcggcacac agacagcttgcgtcctt ccgacaagca catntgtggc cctgctgcac 300
 atatggcan agggtggctg gcaccgtcct gccttcggca tttccaaca tncccacagg 360
 accctatacc tggaagcccc tacatcattt actgggtttt gtgacaanat ggagacccaa 420
 tagagttcc taagagggag aaagagtcca cagaacccca ccctnaattc agggncnttt 480
 ggaccggtcc taacttgggg cattgccagg ccagggctg naccctttt tccccanagt 540
 cctggcacaa gccaaaaaccg t 561

<210> 10097

<211> 473

<212> DNA

<213> Homo sapiens

<400> 10097

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 aaaccaaata ggctcaagaa gctggctgga ggttgaattt gctgacgaac atttcttcc 120
 tccaccagca gtttngggca cacatcacgt ttctgccaag tgctacagct gaagcccata 180
 ttcatagaag caccctgaca gcccttctcc agcaacttcc agaaaacaga acctgagcac 240
 tcaaagctgc atcagcccat gtggccttgc tccaaanaa gcatntggcn atttggcat 300
 ggggaacca aaagtggca gggatttctc cttggctcct taaaaggca tggagccca 360
 gggaaaccgt tcggcccaag tgcagccnta ttgggaagga nggatnggna aaaggctgct 420
 nggcttttc cttcctnacc ctatggnaag gggactggc ccttgggttc ctt 473

<210> 10098

<211> 517

<212> DNA

<213> Homo sapiens

<400> 10098

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 ttacaggcgc ctgccaccac gcccagctaa ttttgtatt ttagtanan acagggtttc 180
 accatattgg ccaggctagt ctcaaactcc tgacctcaag ttatccgccc accttggcct 240
 cccaaagtgc tgggatcaca ggcgtgatcc atngngcccg ggccacgtct ctcccttca 300
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 aaagtgcctg agtataaat tgtgagggtg tggcctatgt cttangcctt ggagaaaactc 420
 anctagcana gaanaatgga naaagngggc ataacgttat gattgctcaa aactaaatgc 480
 ngataatatg accttgaacc tgggaagcnc aaaagcc 517

<210> 10099

<211> 556

<212> DNA

<213> Homo sapiens

<400> 10099

ataacagaaa aatatttatg taatgatggc agctgcaaat tgattggat gttataataat 60
 aaaaaggaac aagtatcaac tagctgcaaa tgaggaagaa accaacctac ctgaaaacta 120
 caaccaaatt ctcatggcta ataagtgatg gcagtgagac catggcccta atggaagtta 180
 gggcagcctc acccactgaa atgttgtta gttggagctg atagcctcag ttttagataa 240
 aaattgtgca acacctgagc aacaaatTTT tttttttt ttttggaaat tggcatgtat 300
 tctgcaaaga cttgttttag gccagttta ccccatctgc taaacgcaat gcatagtctg 360
 tatcaaccag aagaacccat ctctaaaaac atcaatgttg atagtcaaag accactgtgt 420
 tagaacccaa aatcaggcgt tggatgatta cctacattag acagagcaat ggtggcacan 480

gcttgagcat gacaatggct catatggtg acncaaaagt aaccaattct ngtgcnttc 540
 aggaggaatg cctgct 556

<210> 10100

<211> 536

<212> DNA

<213> Homo sapiens

<400> 10100

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 tggtaacctaa tggccatcat gtggtgtgg tacataacga gcaagggtgt gtgcttgcac 180
 tccaaaccca ctgagtcatg ctgcaccaga aggctgcctc agcctactcc tgactaaagc 240
 acagccattt cccttacact acaccccta ggctgagggc gtcctccagg cagggacaca 300
 tgcctatatg gcggagccct gagtcataa cccacaacaa caatacagag agcaacagct 360
 cactactagg atctcagctt tgatacttat gactattagg gcccaatgtt cggcagaacc 420
 tagggatgct caccatctnt gcaaggggtt gacagtgang ctttcagtc accttaatct 480
 nctggaanac cttttgaag gctggtggtt tggctgctg aatgnrangg ataang 536

<210> 10101

<211> 551

<212> DNA

<213> Homo sapiens

<400> 10101

catttgcaa atttaatgtt actctgtatc caaaatatgtt cagcacacag aangcaaaca 60
 nttaaggcagg aacagcaaac agattttcc atcacatgtt accctcagct gattggccat 120
 aactgccttggactgctgtgtt ggacaaagat tccaaggatg tactttggctt ccatgggaag 180
 gactactgca atttatttagt ggtatctgtt aacatggga ataaatctgtt aacctcacta 240

gccatacag aagccacagg caccaanact ggccgntcca ctgccaaagc cagcactgg 300
 gctcggtcca ccaccaaagc cagcaccagt gtttggtcca ccgcccgaagc cagntcctgt 360
 gctcggtcca ccgctgaagc cactggtgct tggtccactg caaaagccaa caccagtgc 420
 tggtccaccg ttgaagccaa caatagaact ggggccacta ctgaaccccg tgctggngct 480
 gggttcncag taaagccagt gcttggggtt ggaaccctgg cnaagccaat ggtgggccta 540
 aacctttggg n 551

<210> 10102

<211> 547

<212> DNA

<213> Homo sapiens

<400> 10102

ggaaacaaaac caaaaacttt atttacaaaa gtaaattttta acttgctttt atatgtcata 60
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 ccctagttat accataaaac ttatataaca ttgccttagc ttgtatgttt ggtcacgttt 180
 gttgtgcana agtcacgttt cagggttaggt tcaccgccag acacggtcac atcaccattg 240
 gctgnggatt tccaagaagc aaaggagcca atctcagcaa agctcgcaact ggcattttta 300
 gctgcttaaa ttgaagagc agttcagcaa agcttngct cccttctagt cctataggtg 360
 gcaggtgctg tggagctggc acagagtggt agacgaggaa cagggccagca tgctcagctg 420
 ngattcctcc aanggctgnc cgctgangta ngcgtgcaca cacatttac ccccgacttg 480
 gacccctggt ccagggatta tcaatggggc ncattacaac agggngggaa ttccagttcn 540
 taaaaac 547

<210> 10103

<211> 462

<212> DNA

<213> Homo sapiens

<400> 10103

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 cgcggcaggga agagaaggga cttgtccaaa tgtcaactcaa gtacttggtc cataacatta 180
 agctttgtaa ttaccagggt taaatgtgac atcactgttc catccaccct accaacactc 240
 caaagaaaact caacttcctg ttccctcttg aggaagtaaa acttaccaga taaaaagggg 300
 aacgaggtgg tggggggggg ctggccgtcg aggccggggg ccaccaaacg aggtancagt 360
 ggagggangg ctggggggac canaacgcaa tgtcagngtg tcaggctcat ccttggaaac 420
 aggccannccg ggataccatg gtgacaggca agggancggn cc 462

<210> 10104

<211> 531

<212> DNA

<213> Homo sapiens

<400> 10104

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 ccacccctcca ggttcaaaca attgtcctgc ctcagccctcc cgagtagctg ggattacaga 120
 tgcctgccac cacgcccagc taattttgtt attttagaa gagacggggt ttcaccatgt 180
 tgaccaggct ggtctcgaac tcctgaccc tc atgatctgct cacccggcc tcccaaagt 240
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 tcttgggctc aggtgatcct cccatctcag cctcccgagt agcttaggatt acgggcatgc 420
 gccaacatcc ctggctagtt tttaaacaat ttttgtana aacangggct tgctatgtgg 480
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<210> 10105

<211> 564

<212> DNA

<213> Homo sapiens

<400> 10105

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tataaccaac	tctttggat	ggcttaggat	gtgccaggta	ctgtgciaag	gacaagagat	120
ataaccagat	acaaaccagt	ccccatcctc	aatcattact	tattcactca	acaaatattt	180
ttgagtagtt	accctgcacc	aggcactagg	gatataacag	ataaaaatta	agtctctcgc	240
ttcatgaagc	tttcattctg	atagagggag	acaggcaata	agccaaataa	atggtttatt	300
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atatgtgtta	atttgactga	ccacaaggg	cccagatact	tggncaaaca	ttatgcctgg	480
gnngngctgtg	aancatggnt	ttggatgaga	ttaacatttg	gaatcagtcc	cctggataaa	540
gcttattttt	tttcccagg	ggna				564

<210> 10106

<211> 554

<212> DNA

<213> Homo sapiens

<400> 10106

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caacctccgc	ctcacgggtt	caaggattct	tctgcctcag	cctcctgagt	agctgggact	120
acaggtgcgc	accaccacac	ccagctaatt	tttttgtat	tttttagtaga	gacagggttt	180
caccatattg	gccaggctgg	tctccaactc	ctgacacctat	gatccgcccc	cctcgacctc	240
ccaaagtgc	gggattacag	gcatgagcca	ccacacccgg	caattttgt	atttttgtat	300
gagacggggg	tcttgctatg	ttgtccgggc	tggctttaaa	ctcctgacct	cgagcagtcc	360
tcccaccttgc	ccctccaaa	gtgctggat	tatagacatg	aggcacggag	cctggctctg	420
tctccctctt	taatgagtaa	attttacaaa	ttgccaacct	accactagtt	agtacacagt	480
gactgttagtt	gtcanaagct	taaacgtgt	tctggcatac	cgggttcttc	tgnnttctgg	540

ggagcac_{ttt} cctn 554

<210> 10107

<211> 539

<212> DNA

<213> Homo sapiens

<400> 10107

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 caac_{ct}ccac ct_cctgggtt caagcgattc tc_ctgc_ctta gc_ctcc_cgag tagcttggat 120
 tacaggcaac cgccaccacg cccggcta_a ttctgtattt ttagtagaga cagggttca 180
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 gtgttggat tacaggcatg agccactgca cccggctgt gagttactta ttgtttcg_t 300
 gtattatctg tctcatcccc actagaaagt cagctccatg aaggcagcaa t_{tttt}gtct_a 360
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 caaacagtaa cngaatgaat gaacncagac aagganaaan ggctntgaac caaacttaca 480
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<210> 10108

<211> 539

<212> DNA

<213> Homo sapiens

<400> 10108

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 caac_{ct}ccac ct_cctgggtt caagtgattc tc_ctgc_ctca gc_ctcc_ctg_g gattacaggt 120
 gcacg_ccacc acacccagct aat_{tttt}gca tt_{tttt}tagtag agatggatt tcaccataat 180
 ggccaggctg gtctcgaa_cctgac_ctca agt_{gatcc}ac_c ctg_ctc_{gg}c ctcc_{aa}agt 240
 gct_{ggg}gatta caggcatgag ccactgcact cggc_ctccaa cattccacta ttccagataa 300

tgagaggctt tgagtctaca gggcattctg gggttacttc tatctcttg agcctatgac 360
 tgtagaatgt aggatgtgag gttctagaat ccttttatga agccngagga atgnccctt 420
 aactttccat ggccctcaag tgtgtggct tctgntgcaa ggnctcatgt cttaagttag 480
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<210> 10109

<211> 439

<212> DNA

<213> Homo sapiens

<400> 10109

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 caggtgctgg tcgttaggctg gatgtgttga atttctccat gatggggtcc actgcaccca 180
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 cagagtctcc tcggaaact taccaagtct gatgtaaca gggcatggg accatcctaa 300
 ctggaaagac aaaaaggctg agaccttccc agagtcacct tggagtgag catggaaaca 360
 tggctgaaca ccaagacaga gccaggctgg actgcagtag tgcaacctng gcccaactgna 420
 cctncgcctn ccgnntnan 439

<210> 10110

<211> 548

<212> DNA

<213> Homo sapiens

<400> 10110

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 agtagtgttc aaactttat tttacagct aaattcctca agcagatggg ctccgtgt 180

gaatcacaat gatgctggtt aagattcaact gaatgcttgc tatatatcatg gctctgtttg 240
 gagcccagca tatatatata tataatctca gttaatccca cagtacctga tgagggaggt 300
 actgctgttt gtccccattta ttttttattt atttattttt ttttattttt tttgagatgg 360
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 ccgcctccca ggttcaagca attctcctgc cttagccitc caagtagctg ggattacagg 480
 cacgcaccac catgcccggg taatttggta tctttttan tagaaaatgg gtttctccat 540
 ggttggtc 548

<210> 10111

<211> 546

<212> DNA

<213> Homo sapiens

<400> 10111

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 cctacctcag tgacctcaaa acacaaggac atctccatag ggcataaca tgcatactgtc 180
 atccaagaat ctaagaactt cctgatcctt ccacatttc tatcaataat attgccttct 240
 gaggttatgg attccaggc ttctatgaaa tagttaaagc ttccttcgc gttccaagaa 300
 atatagtttgc cgaagggAAC tggAAAACGT gactctaggc ctcagccact tcctctgtta 360
 ccctgtgcaa gttgtagaac aatccacgtt ctcacagctc cccttcttca agttgtggag 420
 ttcttcaagg tggacagatc acacctcagg aagtcatc ttgggnagccc actagaatta 480
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<210> 10112

<211> 549

<212> DNA

<213> Homo sapiens

<400> 10112

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 tagggagact ggatgaggat ttatataact caggtgtatg accaagtctc ctttgtctga 180
 caggccttat tatgaatgag tgtggtagtg agtaagctc aagacagccc ccagggatcc 240
 cagtctcctg gtgctcacac cttttagagt tcctctgctc ctgagtggtt atgaaacctg 300
 tgacttcctt ctaaccatca gaatccagca aagaccgcgg gatgtcactt ccatgattac 360
 actgcacaag gttgtaactg ctgtcttggt agactctcca ctgccttctt gtttacatg 420
 cttttagtcaa ggaagtggcc atgttganga ngtcacgtg gaaacaaact gaaggtggnc 480
 ttcacagatg gacagtncca actaagggcc tcaatccatc ncttggangg gaaccaaatc 540
 ccacaaccc 549

<210> 10113

<211> 466

<212> DNA

<213> Homo sapiens

<400> 10113

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 acaggtgtgt cccaccatgc ctggctaatg attttttttt tttttttgtt agacacaggg 180
 tctcaacatg ttgcccaggc tggcttgaa ctccctggct caagcgatcc tcccacacta 240
 gcctccaaa gtgctttat aagcatgtgc caccacacc tctggccttg atactctttt 300
 ggtaaaaaat atactagtat tagcattctg tggccaggaa tggtggtca catccatctg 360
 taatcccagc attttggac gccaaggccg gaggattgct tgagcccagg agtttgagac 420
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<210> 10114

<211> 547

<212> DNA

<213> Homo sapiens

<400> 10114

catcttgc gtccttatt cccagcagg cacatcgat actcattgag ctgggttcg 60
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 acaactgagt tgggcctga ggggttaag agttctact ccatcacagg aggcaagggg 180
 taccccttgtg aaccagactt caactcctgg aagtctgtt cagttcatag gcaaataatct 240
 ttgcaagttt agtatgagac agcccaacgg ttaaataaat aagacacagt gccatggttc 300
 taggcatttg gagagggaaa aggcacatta cacagattcc cctggagaaa atacaggcca 360
 ttctcatctt ctcaacatgc atttccac tcttcagcga cttaatct tatcccctgg 420
 tctatgagaa accataaccc acgtgctact gaatacattt ttatccc ttcatgacat 480
 anactgggt tccagtatat tttaattcc tcntatgnc tacaagacat ncaantttgg 540
 tcagggc 547

<210> 10115

<211> 553

<212> DNA

<213> Homo sapiens

<400> 10115

agagaaagtc tggagggtta ctcaacaacg ttcacaatca caattgtaca tgtaaatca 60
 gtcttcaca aaggcttatt ttccaggca ggaggagagg ctgggtgtct tgagctttg 120
 gcctggaatt ccagtctgaa ttcaataa ttccctgcct ccaaccctt tggatccta 180
 gtctcaagc caataacaga gcaggagtct gaccctgttc tggatccta catggctgaa 240
 tcaaagccat tctggaaagca gatgttaagg tgaacttgc acttggatg taggtccgac 300
 tcccatccca gaggtggcag tggccttgg ctcaagatca agttgaact aaaatattac 360
 ttggatcccc cacaagagt gtccgttgc agcaataagg aattccagaa cagaactgca 420

cttcttgcc ctcttcaca cttacaaagc ttcaaaaaac attaaaaatg cattacctct 480
 aggaattcna aagatcaccc aactgtncaa actagatatc gctgaagcag aaactctgan 540
 tcctcagtag tac 553

<210> 10116

<211> 578

<212> DNA

<213> Homo sapiens

<400> 10116

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 aaggatatac tttaaaattt tacagtaatc aatatcataa cagcagctaa cagtacactg 120
 ggtgaggatg gtacttaaat aattatttt tgagttgctt acagaagaga ggtctcccaa 180
 gtcccaaatac aacttcacaa atattttatt agtacttaca atatacaaaa accttttct 240
 aagctctgcc ctacagatta ataaaaagga gctaaaaatg aagggaagga gagagaaaaaa 300
 gacaaaaagat taatacacaa gttatggiac ttctaagcag gaaagaagct gcttaacttg 360
 gttgggatgg gagaggggtg gttcaagcc agaagctgaa cagcatgtt agatgctaaa 420
 ataaggaaga tattccagaa agaggacagg cacagaatct ccacgtgaaa tttcctgttag 480
 actagtaaga aaatcaagtg agatcaacag gagaaagatn taagaagaaa actccanggc 540
 caggcacacg gntcatgcct gnaatccagc cttngga 578

<210> 10117

<211> 560

<212> DNA

<213> Homo sapiens

<400> 10117

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tccttacctg ttagacaaag gcgacttccg gccaaaccca attgccccca ggatcccaga 180
 gctgagtctc tcctcagcca cgagggtctg cctgctctga accaagagca gaattcgaat 240
 gacagattct gtcaggacgg agtcattctg ctctgtctga atgagggaga gctgaaggac 300
 ttggtgccac cacaaaaaca gctttgcctc ttcctccacg gagcttgggt acacctgttc 360
 cagccacttg cttaagatga gcagcactt catttcattc cttaaagtct gttcgctgtt 420
 taaacactga agcaagtaga cgtaaagagt caagtaactg cccaaaggta ggcactcctg 480
 caggaactct tccatggtga gctcggaac ctgaagggat ccagaatggg tccccatcct 540
 gaatctgatg gagagggcnt 560

<210> 10118

<211> 569

<212> DNA

<213> Homo sapiens

<400> 10118

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 tacaggctcc tgccaccacg cccggctaatttttgttttttagtagatagggtttc 180
 accatgttag ccaggatggt ctcaatctcc tgacctcgat atcggccac ctcggcctcc 240
 caaagtgctg ggattacagg cgtgagccac cgtgcacggc caattatttt attttcaaa 300
 ccttaagagga gctcccaata tgaaagtatt gtcagcaagt tttctcataaa aatgagaaat 360
 cttgtaaatt aaacaaatca caaattggcc tgcttgcac atccagagtt tcatgacctc 420
 tagctaataa agatgcccattttgctcag gtcaccatgt gttggctcc tggctggca 480
 tttcangcac atccatgcta tcatcatccc tattttcaa gtgaaggata cttggggctc 540
 anaanagggtt cgngnacttg gctaangnc 569

<210> 10119

<211> 437

<212> DNA

<213> Homo sapiens

<400> 10119

gaaatttaa agctgggtgt ccagggcaga catcacatgt tggcagggttc tgtgatgcc	60
cctgagccat aaaaccagca aatttttat tagtgattt caaaagggga gggagtggtcc	120
aaataggta tgggtcacag agatcccattt cttcacaagg taataagatt tcacaggta	180
aatggaggca gggcgagatc acaggaccac aggactgggg tgaaattaaa attgctaatg	240
aagtttcggg catgcattgn cattgataac atcttatcag gagacagggt ttgagagcan	300
acaactggtc tgacaaaaat ttattaggca ggaatttcct cgtcctaata agcctgggag	360
cactctgaga aactggggct tatttcatcc ccacagntgn gaccataaaa gacagntgcc	420
ctgaancanc cnttna	437

<210> 10120

<211> 554

<212> DNA

<213> Homo sapiens

<400> 10120

catttactg cattnngctt tattgcgcctc tgcanatagt acattttta caaagngatt	60
tgnngaaacc ctgcagcgag caagtctatt agcacatttt tccaatagta tgnngctact	120
tcatgtctct gcgtcacatt ctggtaattt ttacaatatt tcaaactttt tcattatcat	180
catatctgtt atgatgatct gatcagngat ctttgacatt actattgtaa tagtttgga	240
caccacaaac catgcccata taagacagca aacttaatta ataaatgtt tacttgttct	300
aaccgctcca tcaacaggcc atttccctgn ctctccct ctctcaggc ctcccattcc	360
ctaagacaca atattgaaat taggccaatt aataacctt tgatagcctc taagtgttca	420
actgaaagag ttacaggatc tcacacttta aagcaaaagc tagaaacgat taaagcttgc	480
agaaaaaggc atgccccaaaa tggagatagg ccaaaagngg agctcttgg accaatttagc	540
caagtggaa aagg	554

<210> 10121

<211> 562

<212> DNA

<213> Homo sapiens

<400> 10121

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aacgaatcca	tttctgtctg	ctcattccc	acccatgagt	gtggacagcc	ttcctgtccc	120
tggagtgtcc	aggcctgcct	ggactgagtc	tgtccctctc	cctcccttg	caaaggctga	180
gagtgttctg	gatgtggctc	tgaaagaatg	ccaaggtcta	tcaggtgggt	ccaccacagc	240
cctagcccgag	gatgtccctc	acctgtgtcc	attccccag	caaagtccctc	atcataggag	300
tcatcagtgg	agtccctcgcc	atccaccgaa	gaccatgctc	ggagcttggc	ttccgcgatg	360
gcaaactgct	cagccactcc	tgtcgaggg	acagaatgca	taagcagaga	aggtgagtt	420
agtctagggc	tcagcttgaa	gacaggagag	aggagaaaca	ggtatggga	agactccaac	480
ccccatgtca	nacccgagga	gataaagaaa	gcaccctggc	cggtgtggtg	gcttaagcct	540
ggaancccgag	cacitngga	ag				562

<210> 10122

<211> 386

<212> DNA

<213> Homo sapiens

<400> 10122

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taccacatat	acaaaggaca	agacccagt	ttggcataca	aaaataccat	atattaaaat	120
tggtttcatt	ggaaaactca	ggactggcta	aaacaccatc	tataacagag	agagcaagca	180
agaatgcttt	taagacattc	agatttataa	acagcagctt	gatatccct	ttacgaagtc	240
aatatttggc	aacatttgga	caatatttc	tacacagccc	agcagctcat	ttatctgnag	300
ggctatttgg	cccttaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aagcnctaa	aataaataat	360

ccnnataatt gnaaatgaaa cncatn 386

<210> 10123

<211> 546

<212> DNA

<213> Homo sapiens

<400> 10123

gggatggagt ctgctgttgc cccaggctgg agtgcagtgccaatctcc gcttactgca 60
acctccacct cccaggttca agcagttctc ctgcctcaga ctcccaagta cctgggattta 120
caggtgtgtg ccaccacact cagctaattt ttttttattt tatttttagatggagtgtc 180
gctctcttc ccaggctgga gtgcagtgcc gccatctcggtgactgcaa gctctgcctc 240
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cgccatgccc ggctttttt atttttttt ttttttttt tgtagttttg gtaganacgg 360
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ccgcctcggc ctcccaaagt gctaggatta caggcatgag ccactgtgcc cggttggat 480
tggatttttag caganacggg gtttcaactat gttggccaag ctggctaaa ctggtgactc 540
aaagaa 546

<210> 10124

〈211〉 556

<212> DNA

<213> Homo sapiens

<400> 10124

gtaaaatccaa actacacaccta gaaaactgct ttctgaaaca ttccttagtc tgtggctcac 60
ctaataatcc tcactcaacc ttatcaggag gtaaggattc tgtctgaact caggatccat 120
ttggatcggt ggcctaccta tgggcaatga gaggaatcat attaactgtc actgtccatc 180
ctctgagtct ttgttagtttg tagtaaaata catactgtcc catataaaaa atgagaattg 240

tgttacccta aatgtcagat aatttggtgt ttcccagctc tccagctcta aagaatctct 300
 gctgggtatc cctttatgtc tggaaggaga ctgtcagctt ctggtatctg agacctgtgt 360
 gccctataac atctagttat ggctatcggtt cttaactagt ttagggatac cttctgttag 420
 gaattaagag taaacacaga tcttcagagg caagagttt agaacttatt gaagactttt 480
 ggcatatgga aacttcattc aacaaagagt gccccttaaa aaaaatctct actggcattg 540
 ggtatgggga tctgcc 556

<210> 10125

<211> 544

<212> DNA

<213> Homo sapiens

<400> 10125

gagactgagt ctcactctgt cacccaggct ggaggcagt agtcaatct tggtttacag 60
 aaacttccgc ctcctgagtt caagcaattt tcctgtcgca gcctcctgag tagttgggat 120
 tacaggcacc tgccaccatg cccggctaatttttattttt ttagganaga tagggtttgc 180
 ccatgttggc caggctggtc ttgaattcct gacctcaggt gatccactca cctcggcctc 240
 ccaaagtgct gggattatag gtgtgagcca cttgtccgg cccaaactga cattttatag 300
 ggattttca tccttaaagn gatctactca gtcatttct tccaaatctg nattttacag 360
 cacactttaa actggtgccg cagagttttt gagtggtgat ggcagctgcc ctctatgtct 420
 gtggtgtgcc ggccccctcat gctggggaaa gaggggacgt gaccctaccc ttacagcagg 480
 ctggcctcct ttctntncca aactggcggc cctgntctgg gctaactagc ccaatcctag 540
 cctn 544

<210> 10126

<211> 559

<212> DNA

<213> Homo sapiens

<400> 10126

gagatggagt ttcactcttgc tgcccaggc tggagtgc aa tggcacgatt tcggctcact 60
 gcaacctctg cctcccggt tcaagcgatt ctccctgcctc agcctcccga gtagctggaa 120
 ttacaggcgt ccaccaccaat gcccagctaa tttttgtat ttctagtaga gatggggttc 180
 caccatattg gccaggctgg tctcaaactc ctgacctcag gtgatccact cgcccttggcc 240
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 aaagaggaaa actgagacca aggaaggta atgagcacat ctgtttctcc actcaaggcc 360
 agcggtgaga aacggcagag ccgggcacccg gtaccttggc ttcaggcaag tcacccagca 420
 cctctggct tcatactccg tttggaaaat gcggatgaca agaacatccc ccatccagcg 480
 gtcccactct ggngaattta ttctaaaagg gaaaatccaa caggnttgg tctggggatg 540
 agtcatcgan gcttnatta 559

<210> 10127

<211> 572

<212> DNA

<213> Homo sapiens

<400> 10127

catgaagacc agtttatttt acatgcttgc tttcacattc tttactggga atttaaggcc 60
 tttttcagc cttaacttgt ataccaacct caaggatttt gtttgataca gaaaaggata 120
 gggctgggcc cttctgccaa ggactgataa cctgcctgcc aaaaggaaga gggaatgaaa 180
 gcctttgtc cttctaggcc ctttacagta cttcaaaatc taaaggcctt aaaggggaaa 240
 aaaaccgtat ctgttcttcc tccttatctc ctacccttct cttaagcat attgaagatg 300
 gactttttc caaatgttta tttgttagaa gaggtgatga gcgcaggcca gcagctgaga 360
 acttacagct ttgatgcacc aggaactgta ttcaagctga gggcaaaagc ctcttaggga 420
 gggagccagg tccaccaagg ccagagacag acagggcgag actgtggaag gccagggaga 480
 tgctgcctgg taaatgctca gctggcctac tggcaagtc ctctgggggt tctagagctg 540
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<210> 10128

<211> 566

<212> DNA

<213> Homo sapiens

<400> 10128

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 ctccgacccc ggcgttcaag caattctcct gcctcagcct ccctagtagt tgggattaca 120
 ggcatgcgct accaagccca gctaattttt gtgttattag tagagagggt gtttcaccat 180
 gttggccagg ttggtctcga attcctgacc tcaagtgate cgctcgctcg cctctctacc 240
 ttccaaaatt ctggaattac aggtgtgagc caccacgccc ggccagggat gtggtttat 300
 aaactatgaa ctaactctcc atgctatgtt gtttttgttta attcatttct ctcatagata 360
 attaaaaaca aaaaacaaga aaacaaaatc caacaagcag gcataagatt atatgggagc 420
 tttattaact aaatgcccta ggttatattc aaagcagaat cacccagcac tcctcaggag 480
 actgcancat gggtaaaat tgggtgnact ttgaggacat tttggatatc ctaatgaaac 540
 atggaccttc ctggggttct taangc 566

<210> 10129

<211> 568

<212> DNA

<213> Homo sapiens

<400> 10129

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 tgcaacctct gcctccggg tttaagtgtat tctcctgcct cagcctgtgg agtagttggg 120
 attacaggcg cataccacca tgcccagcta attttgaat ttttagttaga gatggggttt 180
 catcatgtta gccaggctgg tctcgaactc ctgacacctt gattcacctg ctccggcctc 240
 ccaaagtgcgtt gggattacag gtgtgggcca ccacacccgg ccaaggaaaa cttttaaaaa 300
 ataagtttag tgtcacctaa gtctacagtg gttataaagt ccacagtagt ggacagtaat 360

gtcacaggcc ttcacattca ctcaccatcc actcatttac tcacccagag caaattctag 420
 tcctgtatta caagctccac tcatggaaac cattttaaa atctttata ccatatttt 480
 cctngccat ttctatggtt agatactgaa tccatggct tcaattgcct gtatgtantca 540
 aggacaatca catgcttgac anggttgg 568

<210> 10130

<211> 550

<212> DNA

<213> Homo sapiens

<400> 10130

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 aaggaaggaa ggaatcataa tagcgtaat aaggctagcg tctttcana agttggttct 120
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 caccaacatg ggatacgtt gatcatcatt cttaaattgc anaaggagaa ataggctcag 240
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 ccaaattccag tttcttcca ctgccacgga gacggagaga agggacagng gccccanatg 360
 gggatgggt gactggatgt gggcaggcct gcggggaaag agtgcctct gttgagcatc 420
 cgaatgatgg cnccagaaaa gaaaactggg canaatccc gttattaaaa tcccctgagg 480
 ggaacaggc accccaccc ctnaggcana aganggggg gaanacaagg cccatanatg 540
 aaggccctgg 550

<210> 10131

<211> 448

<212> DNA

<213> Homo sapiens

<400> 10131

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 gatatccaa ataattaca gagacttcga aaatgttagng naattcaggn tttcttcca 180
 gttaaaaat ttctatccat tgcctctatc tttgggnca ctgccaccaa taaacncagt 240
 ntacagctta naaaccta tactatctc aactaggaaa aggnaaacca acatcattc 300
 tttaaatgn gaaataaaga atngatcgn acttaattt ggctcatggg cccacaatac 360
 tntgaaatgn catgccnaaa tgtaaaagtt caaaaggaa ctttatcatt tgctataatt 420
 gcnccaaaaa tttagctctg nacnctgg 448

<210> 10132

<211> 569

<212> DNA

<213> Homo sapiens

<400> 10132

acagtacatg aatgtttat tttcataaa gtgcctaaaa catgaagaag aagctttta 60
 taaagagcct taactaggaa gacaaacagc aaagcagaac catgcctgca ccctgccc 120
 cccacctgca actttcctcc aagtgtggct cggagaagaa acatcaacaa ggaccctgg 180
 ctgcattca aaaactccctc tgaagccatc catgccctgg gcattaggaa ggccccac 240
 ggtcagggcc agggctggga gtgaataaag cccagaggaa tccccagtag ggggggtgac 300
 tccccctctc tcagaaaaga tacttactc tctaataccc aatgaccccc aaaagcatga 360
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 gtaaccgtta cagggcttt ctcctatgtg tggcgctcct ctgctccatc ctggcagcag 480
 acagacatca cccaganggc acgtgtctgc ctgangcctt tcaaaagcaa gcccacaagg 540
 cccttcttg aaaaaatggn gnccaaaa 569

<210> 10133

<211> 363

<212> DNA

<213> Homo sapiens

<400> 10133

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 tggaggttagc tgcaaggaga atgtctcttt ctcatgacaa ccaaagcgac caaaccatac 120
 cctaaagcag agacncaatg gaataagtca acgggcattt tagaacgacg ctcagaagca 180
 ggaaaaacca taaaagatac aggatgattt tctttcagt attgcattt gccatgtatg 240
 tgttttaca taaaatatat gttttcttt taagctagct aaagaaaata ctcttgatcg 300
 gggtagttc tttaaagcaaa aaacngaana aaangttgga tananaataa aantaaagaa 360
 ccn 363

<210> 10134

<211> 433

<212> DNA

<213> Homo sapiens

<400> 10134

gcctctttt ttaaacagca acagagctct gccactttgg ccaaccaccc tcctttgtcc 60
 tcttcctttt ccctcctgcc aagtgtccta ttctcaaaag gtctaaatca ctgccttcca 120
 gcttggtggg caacctgctg ggggccccaa gtgaggtggg gaggggctcc ctagctatTTT 180
 cccagtgacc tctatcacat catcgtcttt atcctcatca tcattggagc tgaacccaaac 240
 ctcggcaacc tcatgagagt caaatggagg cacctgggac cgtaggaggc caccagctgg 300
 gtagcctgca tgtgggaca tgtacctgga tagatagaac atgccccnca aaaggTTgtt 360
 ggncaaaaca gggaaaggaa aaggcncaaa catcctgggt tngancagaa ttggctggna 420
 aantggaaat gaa 433

<210> 10135

<211> 551

<212> DNA

<213> Homo sapiens

<400> 10135

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 ctaaaaaactg aaatgtatgtg aaaaggcatc cattaagcag tggccccc ccaccctctc 120
 catcagtctt gtctcatggg gatggggaaa atgaagacag aacgcttgc ctgccttgc 180
 aatccctctt ttgaaggcct tctgtcccag gaagccaatg ttcatttgtat gtgaaagagg 240
 gacctgtgtt taaccagaag ctgtcctccc tcattccctt cccatggctt acacgcagaa 300
 gggagaggag atgaccagag gagaaatcag gggaaagaaa aggcaacagg ggaggcaaag 360
 gggaaaggag aggaatgctt aaaatatacn gngaaatttg agtaggatct ctactcaaag 420
 acttctntgg gaagtgtcca naattgacca cccaggtgct gacggtingaa agaaccnnga 480
 cccaaaaccc tggacttagtt gcnttaactc cattagccct gagtnccct tgnaaaanga 540
 aactgggggg c 551

<210> 10136

<211> 543

<212> DNA

<213> Homo sapiens

<400> 10136

aacgtgaata atgctgttat tagagttgaa gagaagccct tagaaatggg acaaacattg 60
 taattctctt agagaactgt aacttaaaca gaaatacact taatagaaga gggaaagaaaa 120
 tggttcatgt gacacaaagg tcccatgtgt tgacttctt ggtaagatca aataagtatt 180
 taagccttagc aatagggtca gtccagttag tatttcctt cacaatggt gaatatcaac 240
 tccaggatgg ctggagttt ctcattgttt ggttccacgc catctgcatt tcttacaag 300
 tgataaaaac cggaatttc cagctgctac tagtcacagg gggccccaa tatgggttgt 360
 ttaattatga tgacgggtcc tgtcaattgc atccagtaaa attggtcaca tagagaactc 420
 atctaaaact gagggtttgn tgggttttggaaaggccatt ggaatccaga ttgc当地 480
 atgtcaaggt atggcaaaac atatgccacc catntaaaaa acttcctta taatgnanga 540
 ctt 543

<210> 10137

<211> 554

<212> DNA

<213> Homo sapiens

<400> 10137

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attctcagat attccagtgc aaaaatagat cccgttacag acagcgtaaa gtgcttggaa	120
tgagggccaa tcatgaacaa agagcacaaa aacagcttca tcttagggta taagaaggga	180
taatagcata cctaaatcct tatggaaata gaaacattct aagggggatg caacaatttt	240
aaaaagaatt agagcaatat ttctacagta ttacattatt actagtagat aataacaagg	300
gtacaaatta atgtctcaat atcaaagtgg gttcagtatt acatgacaca tggctctttg	360
aaaaatattt tacctgatat atacaaccac aagaagaaaa cacagataaa tggcttttagt	420
caatgattac tatacagtga atgaatgatg tgcaacattt aatagtccaca aagcatttgc	480
tttcagtaca gataatgaaa tcagtagtgt gagggtttgt tggttttaa caatgaatttgc	540
ngctggggca tttn	554

<210> 10138

<211> 549

<212> DNA

<213> Homo sapiens

<400> 10138

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gagttccccc caccggccgc ccctacccccc ccaagaggtc tggtcttgac agcaccctgc	180
ccacacagag tggctgggt ctctgcacgt gccaggcagg gtgagggccg cctgcccgc	240
ggcctctccc ctggtaaaa tagccaaggg gagaatgcaa accccagccc aaatggagag	300

acatttacat acgtttata taatatacaa agaaaccagc atcccaggca acatgatttc 360
 cactccaat gctctccag actgatgggt ttgtggggga aacaacanaa agaaaagtac 420
 actgctgagg tctcagcatt taaaaaaaaa nnnaaaaaaa atctccctc atttgagcaa 480
 acacctgatt tcgatttga aaagngaaat ttgnaacaag tcacacccna agaggagaag 540
 actgtgcnt 549

<210> 10139

<211> 534

<212> DNA

<213> Homo sapiens

<400> 10139

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 aaataattgc ctactTTTT gaaacAAact tggTTTTac cacagcagtt tcattttctt 180
 ttccaaaag tcttaacaca attttgtaaa gtaaatttct aacGCCAGAG agattaagtt 240
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 acacacacac aaaatggac tgaacAAAAG tcactactta atacttcta aattgcctct 360
 ttggaggta cggtgaaaaga aaaacattct agatgtgtct gaaagaaaaca aggtcacaca 420
 cttactaaaa ttccccTTTg cttaagngt agttgaggga agttcaacta atcttaaccc 480
 ttttggaa gaaggcaata ctcatTTca tgaattttgg ttacnTTgga aacc 534

<210> 10140

<211> 537

<212> DNA

<213> Homo sapiens

<400> 10140

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actttaagga atgtactttt aaaattacta tgagtttac aataataacc tttcatgtta 120
 agtcttccaa ttttgtaaca taaaaatgtat ttcatcaaa ccactgaaac tatccattgt 180
 ggtatgtaaat aaaataacca agtcaatgt aagaaagcag cataaaacaa agtaaaactt 240
 gtgatttgca aatcagccctg atgtaagttt gtttgtgttgg tttttttttt ttgcctttgt 300
 agtgcagaa ggtgagctct gtttagaag gagtcattc attccccat tgaattttta 360
 ctcatttagg cttaaatcac ttcaaaaggtaaaaatgagg gtagaggaaa taaaaggaa 420
 aaaaagtaaa cntataggtatcag atcactaaat gctancitn gaatatccaa 480
 ccccagccaa tgcntaaggtt ctatgccat tcctggattt ggnnttna agggaa 537

<210> 10141

<211> 542

<212> DNA

<213> Homo sapiens

<400> 10141

ctcagagaat tatataataa tagaattacc atactttgg cgcaaatgtg tccaacacca 60
 atgtgacaag tacatatatac agaatcactc ttccctcaga gaatcacacc ttcccttggc 120
 tctgcctgtg gatccaaatc aagcctgggt gtggctgaca ataccaggc acggtttgct 180
 tcccgccct ccatctctac tgttggcta cagcttgagt tcactaggca tcggctcccc 240
 tctcaggcca gccagcaagt tgtagctgc caacaaggac atggtgttgc gggttctgng 300
 ggtggcactg ccaatgtggg gcagaatcac acagttcttc agggtcatga nangggtggt 360
 ttgttaagcag tggttctggg ctcgnacat ccagtcagc agctgcaatc ttaccactgg 420
 ccaaggcgtg gtacaggtcg ncctgggtta cgaacgtcgc ccctggaaat gacagtgggt 480
 gacatggta ccccgaaaaa atccttcgnc aagccancnt ttgggggnna acaactaccg 540
 at 542

<210> 10142

<211> 548

<212> DNA

<213> Homo sapiens

<400> 10142

gtgtgttaag tcacttgttt atttctcaag atgtgcacac tcaagtatga agctggccgg	60
gacaactcat ggctcctagg tatgtacagg cccttgatg gcttgggta cagacaacct	120
catagctggt gcaccacaca cacgagataa aacaggaagc ctaaaaaccc caagccacac	180
caagaaaaat gagagagggg agggcggggt aacaatgcag catccgcgg aggaaactta	240
atgcacaagg agggagaaca gagggtgaa ggcaagccaa cttcncttc gcccncccaa	300
ctgctgngng ggtggcaag ggactgagtt caacaaggc ctttaggaaa cttttgaa	360
tcgggtgaan tctgatnaaa aaaccgggcc acaatcgagg gaactttgn aaaggcttcc	420
acttggcttg aaactccctcc tggaaaggtt tnagggctt tgtcggcagc ttctaaatg	480
ggcatgtcgt tgnggcggat gtcctcancg agagaccgga ccagcctccc tttgggta	540
ctggnagg	548

<210> 10143

<211> 311

<212> DNA

<213> Homo sapiens

<400> 10143

agntagattc tacctctgnc acccaggcgg gagtgcagng gcatgatctc ggctcactgg	60
actccagctt aggcaacaga gccagactgn gtctaaaaa cagggaaagaa aacnaaagaa	120
aatttggact attgccaatt acaaataattt ttagagaaga attcaaataa gtaactgngg	180
atgatggaaa caatagttat gatagaagtc tgatgaaact tcccagttca caaggaaatt	240
taattactta cgtgcagcat ttaagacag taatcagaat cttgantgg ngnatnatnt	300
tagggcccc n	311

<210> 10144

<211> 554

<212> DNA

<213> Homo sapiens

<400> 10144

caggataata accaaagggtt ttattaacctt ggaaaataaa aattcaataaa aacattcaga	60
ttgggaagat aaaaatgaat aattcttcctt gaaagcagat cagaaacata gacgaaaaat	120
agaaaagata aaaaatatta gagcatcagc ctgggtgtag gggagggtcc aacattgaaa	180
taataggtgg tccagaaaga aagaatgtaa ataatcacaa gaaaatttaa gaaatttccc	240
atgaaggccc agcacaagggt ttaacacccg ggataacaaca ccatcatgac agttcagaac	300
accaagaata aagagatctt aaatgtttcc aggaagggtg gataaaaaaa cctaagtac	360
atataaaggta acnggaatca gaatggcatc agaaatctca accagcacccg ctgggaagg	420
gctaggggan gggattattt tccacctggc attctatgct cagccccatt ttggtnangg	480
ccnaaatnccg gacttttaa gtcatgccaa aatctcaaaa tatttacaac cttttacnt	540
tccaggtctt ttcn	554

<210> 10145

<211> 551

<212> DNA

<213> Homo sapiens

<400> 10145

gagagagaga gtctcactct gtcacccaga ctggagtgcg gtggcacgaa cactgctcac	60
tgcagccctg acctcctggg ctcaagccat cttcccttct cagcctccag agtagctgag	120
atcacagtcg catgccacca cacatggcta aattttttt tggggcgccc gggtagaga	180
cggggatctc accatgttgc ccaggcaggt gaagttgtat ttataattt cctaaaagtt	240
atagtttatt tggttttagt gggtagctt tttttttt atcttcaatg tagtagaatg	300
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taagtttaat aaatgcctt agcaacaata atatatgccaa acaagaatca tgacaaattt	420
ctacccaact cggtggtaca ttctgattc tggtcaatg aaaatgtctc tctaaaaat	480

gcncactttg caaaagcttg gcataattcc ttnccaagcc gtgtttacac agnantgaac 540
 cgaaaagagtn t 551

<210> 10146

<211> 396

<212> DNA

<213> Homo sapiens

<400> 10146

gagacggagt cttgctctgt cgccgctgga gtgcagtggc gcgatctcgta ttcactgcaa 60
 gctctgcctc ctggattcac gccattctcc tgcctcagcc tcccgagtag ctgggactac 120
 aggcccccac caccacgccc agctagttt ttttatTTT ttagtagaga cggggtttca 180
 ccgtgtcagc caggatggtc ttgatctcct gacctcgtga tccgcccacc tcagcctccc 240
 aaagtgcgtgg gattacaggc gtgagccact gtgtccggcc aggccctctct tcttaattca 300
 acagtcagtt atctcagagg gtttctctct agtgtctctt cctgtttgaa aggaagtggg 360
 acaactgaat gcttcctcaa ttntttntin ttnnnnn 396

<210> 10147

<211> 515

<212> DNA

<213> Homo sapiens

<400> 10147

ctgtttttg tttttgttt tttttccca aagcggctgc agttaggtct tgaaaaagct 60
 taaggtatta aaactagaaa aacgcaccaa aagtgtgcg taaaaaagtt gctccccaat 120
 gagaagtctt ctaccgtcat ggagcttctg tttccacata ctgtccaaga ccaccacagg 180
 gtgcaccgta ccattggag gtgcttccat attccgcaac aaatgaaact tccatgatga 240
 agatccggaa gaaaagatgt agtgatggaa aaggagccac atattccaac cattaaata 300
 actttaattt acataactnac tnacacaggt accagggctt tgaaaataga ttggtcagtc 360

ctaaaaagca nctttggct ggcttcnctt ttctggccct tccttttag ccaaggcagg 420
 ccttccactt tttcantact gggtaagta aggttngtt aanaantnc ccaacgcttt 480
 aatctttttt gccntggat tttcaggna aaatt 515

<210> 10148

<211> 554

<212> DNA

<213> Homo sapiens

<400> 10148

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 cgatctcgac tcactggcaa cctccaccc tcaggtcaaa gcaattctcc tgcctcagcc 120
 tcccagtag ctgggattac aggcatgc cactaccgcc cggctaattt ttttagtaga 180
 gacggggttt cgctatgttg gccaggctcc tgacctcaaa tgatctaccc accttggcct 240
 cccaaagtgc tgggattata ggcatgagcc accgtaccta gccctcaatg caactttcta 300
 aaaaatgcct actacaaatc tcttaactaa tgactctttt aggctgctgc aatacagaat 360
 ttctttttt ttctttttt ttanagaca gggctcgct ctgtcaccca ggctggagtg 420
 caatggcaca atcacagctn actggagcct caaactcctg ggctnaggca atcttccacc 480
 ttagcctcca agtagttggg actaccaagn ggcaccaaca tcctggcaa tttnaaaatt 540
 ttgnanaaac cggg 554

<210> 10149

<211> 564

<212> DNA

<213> Homo sapiens

<400> 10149

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 ggaaggctcc gcctggggcc tgtccacagt ggatctggtg acatatctc gcattaatca 120

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cctaaagagat gtggctgtct tcttccctt gaaccctgct tacagggaaat attgtgacat 180
attgctggca tcagcaaaca gacgatgtgt ctctcgtaat tggccttgc ccacagaaag 240
cattttgaca tattgctggg cttattactg aaggtaagg gtgactcttgc cagcctgcac 300
cctgcanggg gttggtaacg tattcctggc tgagtaccca ggtgatgtga ctcttctgcc 360
tggcccttgt gtcagggaa agaattgtga catattcctg gcccagaaat caaggtgaag 420
gtgacttttc ctgttngctc cctacccaca ggtaaaaact gnggacatat atcttggtcc 480
actaacagtg caataacgac tntaatgccc acataagcca ntngaaagga actggcagt 540
taactggat ttgaaaaan ggta 564

<210> 10150

<211> 551

<212> DNA

<213> Homo sapiens

<400> 10150

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aacctccgcc tcccggttcc aaacgattct cctgccacag cctcccgagt agctggaatt 120
acaggcatgc gccaccacgc ccggctactt ttgtatTTT tagtagagat ggggtttcac 180
ctgttggcca ggctggtctc caactcctga cctcaagtga tccacccgcc tcaccctccc 240
aagggtgtgg gattacaggc gtgagccact gtgcctggcc tatttattta ttttatttt 300
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ggcatgcgtg accatgcctg gctaactttt ggattttta gtanagatgg ggtttcacca 480
ttttgaccaa actggctcgat actccngact caagngactt ctgccttggc ctcccaattt 540
gtgggataca g 551

<210> 10151

<211> 558

<212> DNA

<213> Homo sapiens

<400> 10151

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caacctccac ctcccagggtt	caagcaattc tcttgactca ccctcccgaa	cagttggtat	120
tacaggtgcc cgccaccacg	cccggtcaac gtttgttattt	tttagtagaga cggggttca	180
ccgtgttggc cagcctggtc	tccaactcct gatctaagt gttccacctg	cctcggcctc	240
ccgaagtgct gggattacag	gcatgagcta ctgcacctgg	tctaaaggtg cattttgtta	300
atgtcaatat tatggctctg	acaataggga ccagaggta	tttcatttttta ttattggta	360
tctacatttc tctctcagtg	tgaaacttgc tgatatttga	agaaaactggg atgtgaggca	420
gggaccaatc atggaggtgt	gtctgagacg gagggggttc	ctgggaggca ggactgatgc	480
tggtgctaatt	gctggggaaa gtcccaggca	ggctancang gtggcaccaa	540
gaaccgcccgn	antntgcn		558

<210> 10152

<211> 561

<212> DNA

<213> Homo sapiens

<400> 10152

aaacagagtc tcactcactc	tgtcgcccaag gctggagtgc	agtggcatga tctcggctca	60
cagcaacctc cacctcccaag	gttcaagcaa ttctcctgcc	tcctactcct cccatgttagc	120
tgggattaca ggtgtgtacc	accatgcctg gctaactttt	gtattttag taaagacggg	180
gtttcaccat gtcagccagg	ctagtcttgc actcctggcc	tcaaggatc tgcctacctt	240
ggcctcccaa agtgctggga	ttacagacat gagccaccgc	acccagcctg gtgggagaaa	300
tgttctattt	attccctagg atgcttaggaa	gtactcagca aataactaaat	360
tcaggggtta ggaggagttc	aagataaatg agtattgtaa	acacagtagt ccaggttaagt	420
taagccccca tgccctcttc	aggaggcctg gtctctggac	acttacagaa gaaaagtcca	480
ccccctcgat	acaggccttc catagcttac	ttctcaacag actgnagctt	540

caccnntttn catnntacta a 561

<210> 10153

<211> 571

<212> DNA

<213> Homo sapiens

<400> 10153

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tgttaacgggc aggcagaaca cactcctttc ccaggctcat caattaaaca gaaaacaggg 120

gagctctcct caccccagcc tggccctgtg ctccccatg gcccccgcga ggcccctacc 180

atggcctgcc tgggagacac aaactatgac aggaacacac tggactgata cagaatgagg 240

ccagacacac ccatgcctgt gcctcccaag agcgacccca ggacagtggg gcagacagag 300

gtgtctcacac tggcagaaat aagggctgga gccacacgtg atgctcggac acaaacggca 360

cgcagctctg cagcctggcc acacaccctt cgcttatgac tccactcctc agggttcacg 420

gggcgtgtta cagagactct ctctgctgac acgatggcca cacgccccttc gngtatgact 480

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tggnctttgc gtatgactcc attcttangg t 571

<210> 10154

<211> 533

<212> DNA

<213> Homo sapiens

<400> 10154

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ccttccttca actggagaca atttggatg ttgcaaaaca aggtttggga agcccttcta 120

tggatcggtt ttgtgtccaa gtctgtccct gccaaaagcc atcaaaagtc tccatcaccc 180

ctgggctcca gtctgctacc cccagacttg gcagctggga tctctcccttc ctggttcata 240

gttctcatat ccaccctca gcgatggagt tagagttcca ggcccacgtg gtgaacgaga 300
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 aagccggtgc cctgcttcca ggtgacggtg agtcaagtcg cgaggaggcc gacagagggc 420
 tgctggangc cggttggaaat naaggatgca cggncanaag ccangccccca tgcccccgan 480
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<210> 10155

<211> 559

<212> DNA

<213> Homo sapiens

<400> 10155

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 tcagcccaact gttgcacccca attcgtgtgg gcaaggctgg ggcccatggg atgagggatc 480
 tnccagtaag gaagctgnta ttggccaaa accgcanaaa cttgaaactt aangggatcc 540
 aaataaatgg cngttgngg 559

<210> 10156

<211> 561

<212> DNA

<213> Homo sapiens

<400> 10156

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 aatgaagagg aaagaacttg tatcccaaag cctggcttc tgtatcatcc acaaattaag 120
 acagcatctg ctgagccat gctgagcctg tcacagtcaa caactggaa accggggcct 180
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 acatttgtt atttaaagca caggaaatga ataaaatgcc acctaaaaag tatctgcaat 300
 gaataaatta ttccagtga agcactgcag atccacacac accagtctgc taacctttac 360
 caaggccatg tccgggtggc ttngcctgt cccagttgac tttcccttga gacctttccc 420
 ttctgngcaa tgaccacagc attagagacc agtcctgcat gcgctggctt cctcgaaggc 480
 atggaaaacc acgtggatga ncagtggct ggcattgcag aaggtttaac aaanggactt 540
 tactggtttc aggggcccc 561
 a

<210> 10157

<211> 502

<212> DNA

<213> Homo sapiens

<400> 10157

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 aacctctgcc tcctgggttc aagcgattct cctgcgtcag cctcccgagt agctgggatt 120
 acagatgcac aacaccacac ccggctaatt tttgtatTTT ttagtagaga cggggTTTca 180
 ctatgttggc cagactggc tcgaactcct gacctcgtga tccaccctcc ttggcctccc 240
 aaagtgcgg gattacaggc gtgagccacc gcgcggcgcg gcccgtacta ttttaatga 300
 gccccgcgc aacaggctgg tgtgaaatgt gtgtgaggg atgcttng aagaataagg 360
 natnacagaa agacagtgc ctgatggtgc aatgaaagca acacaggnc tcttaacctg 420
 nccaagaaac ttatggntt ggggaacaa tcaagngact taaataccct ttaagnggaa 480
 tctcatgggt ttnacagggaa na 502

<210> 10158

<211> 575

<212> DNA

<213> Homo sapiens

<400> 10158

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gtaacctcca cgtcccaggt tcaagcaatt ctcc tacctc agaccccaa gtaactggga	120
ctacaggcta attttgtat gtttagtgaa gactgttcc ccatgttggc caggctggtc	180
tcgatctcct gatcacacgt gatccaccca cctcgccctc ccaaagtgct gggattacaa	240
gtgtgagcca ccatgctcgg ccccagaggc acgtttctaa gtcctgaatc tgca gtcgtgctg	300
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gcataaccaa gggccctgac ttcccatctc caacaaggaa ccactttct taatgcagtt	420
ctggagcaaa tccagatgtt tgtcaaagct tgactgcccg catgctccct gaccatccc	480
ccaaanggct nttagaacaa acaataagcc atggcaaggt tctggcacgg anccaagcct	540
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<210> 10159

<211> 518

<212> DNA

<213> Homo sapiens

<400> 10159

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aaggaacact ggaaggaggg aatgcagatg caggcagcag gcctgggtct ggcttctggc	180
ctgggtttgg agcctgcana agctgctggc atgctagctc tacccaggaa acagctccaa	240
gagggagtgt tggatgaag gatcacactt gggataggtg ctgctggtac caaatgtgat	300
tttagctcca ttcagggccc agggtaacc agcagtgcac ccaaacctgt cancaggtaa	360
agaaacttct accatcccaa agtgcaggtt acaggaaagg ggtcactcct taatgacgac	420
ctggcctgc tgcataangc ccatctttagt caacatgtgg gctgnccatc ttcccactt	480

ttnagggcta tgnacttggg caaggtnaan tggncaac 518

<210> 10160

<211> 474

<212> DNA

<213> Homo sapiens

<400> 10160

caaatacacat atggcttctt tgaccccatc aaataacttt attcacacaa acgtccctta	60
atttacaaag cctcagtcat tcatacacat tagggatcc acagtgttca aggaacttaa	120
atataatgtt tcataccaac ccaagtaaac caagtacaaa aaatattcat ataaagttgt	180
tcacacgtag gtccttagatt accagcttct gtgcaaaaaaa aggaaatgaa gaaaaataga	240
tttattaact agtattggaa actaactttg tgcctggctt aaaacctccc tnacgctcg	300
ctgtcccaca caaatgtta agaagtcaact gcaatgtact cccccgtct gatgaaaaga	360
agccccctggt acaaaagatt ccagtgcctt tgaagaggct cccttcctcc tggggctct	420
cctanaaaac cagngggacg gcctcctgtt gatccgnnta tacctanggg gncc	474

<210> 10161

<211> 446

<212> DNA

<213> Homo sapiens

<400> 10161

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gaaacaatac aaattaaata ctaataaaaat aaatactaca gaagacagaa gaacacaggg	120
gaatggagtt gggggcgct cagagatctg ggattttctc atttctcctc gggacaggcc	180
aaggccatcc agggcccgagg ttgggtcttg gtcatgaaca aggaggccag tccaaggggac	240
cccgccgcca cctccacca ccccccggac ctcttgtcct cagacatgga gttcaacttt	300
ccaccccccac cagcaaccac gataacaatg acgacgacag ggagatgaga actaattgtt	360

acaaaaaaa caaaaacagt ccagtcgcta atgctggcat tgataaggcg gnttcttgt 420
 gnccgtatta ttgcctnntt ntnan 446

<210> 10162

<211> 564

<212> DNA

<213> Homo sapiens

<400> 10162

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 cacagatgac aagagctcaa aggccctggtc acagtggctc ccgggaggcc agtacacacc 120
 cactgtcctc agacagaaac acacaacaca agggtagaa acagggttc aaagacaacc 180
 ctctggcca ggaatgagga gtcataaat acttcaatta gccattaatg cttaaaaag 240
 gcattttttt aaaaagtccc accacaaagg ctcaacttca agtactaatt taatggtaa 300
 gttgtaatat ttcttgaaa taatattcct atggccaga aaaaattcac catattata 360
 actgatttca tgagcaaaca cttcaatig ntggatgtac ataagtccct ttgatctaa 420
 tgagaggaga gacctggctt ncaataagaa ttcactagaa atatattcc gtggactnt 480
 ttaaacttat taagggcctt gcctccatgg nttnntta gcttgctggc cttggntna 540
 aanggtatcc cttatgaaag gcgg 564

<210> 10163

<211> 373

<212> DNA

<213> Homo sapiens

<400> 10163

ctgcaaacga gtatttatttgg gcncctgng atggccaag cagtatting ggngccaagg 60
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 atgaataatt aangccaagg agngggaaat atgagtaana aaaaaaaaaa aagaggggtt 180

gganaaggga aggcctcctg agggacatt tcagccaana cctgaatgat ggancaagcc 240
 acacgggcct gagggcagca gcaggatgga caggacaaa ggtccgtgca aaggccctga 300
 ggctgaatgg ntggtagga atgttgaag gccngtgagg agggaaanc taanaggaat 360
 taanatccnn cag 373

<210> 10164

<211> 543

<212> DNA

<213> Homo sapiens

<400> 10164

aaccttgc ttgtatacat atattttgc gacgaagtct tggatgtcg cccaggctgg 60
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 ctgcctcagc ttccctcagta gctggacta cagggtgtca cccccacacc cagctaattt 180
 ttgtatTTT agtagagacg aggtttgcc atgttggcca ggctggtctt gaactcctga 240
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 ggcggccggcc ttgntgttact tttaatgagc caaaagacag taagaaggag caaagcaaaa 360
 cccaccgaag gctctgtggg cagctggccc tgaaagcaca tcctgnctct tgntttacc 420
 aactatgtga gccttggc aaaataccta acagtctgaa gccttaagtt ccttattaga 480
 aaaaggaga agatgatctg gatatttctt aaggtaatg gttttccat ntcntgaagg 540
 agg 543

<210> 10165

<211> 542

<212> DNA

<213> Homo sapiens

<400> 10165

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ctttcacttg atcaattcag ctattgatac ttgttatgc ttcatgaaat tcttgggctg 120
 tgtttcagc ttcatcaggt cgtttatgtt cttctctaaa ctagttattc tagttagcaa 180
 ttccctctaac cttttatcaa ggttattagc ttccctgcat tgggttagag catgcttgtt 240
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 ctcattctcc atccagttt ggtcccattc ctggcaagga gttgtaatcc ttggaaagat 360
 aagaggtatt ctgattttg caatttcac ccttttatg ctggatttc ctcatcttca 420
 tggatttatac taccttggt cttgctggt ggtgaccctt ggtgaagtt ttgcattggg 480
 ccgcctttt ggtgaggtga tgctactgct tttggtnata agtttcctt ctaacagtca 540
 gn 542

<210> 10166

<211> 538

<212> DNA

<213> Homo sapiens

<400> 10166

gagagagaga gagacaagga tcttgctctg ttgcctggac tggagtgcag tggcatgatc 60
 atggctcaact gcaacctcga cttctggggc tcaaggatcc tcccatctca gcctcccaag 120
 tagccgaggg actacaggca cgtaccacca cgcccagctc ctaaggacat cagcttaag 180
 tacaatgctc caatttcttc tttcacaag agtgtatcca tgtattactt atgaaattga 240
 aagttaaaaa aagcttgag aaatacaaat ctagggggaa tgtcttgagt gagtgggatt 300
 ctgacgactc aacggattaa atgtcatgag ggctgatccc agctgcctgg aatgggtctg 360
 ggctgtggaa ttgcaccgac aggtgtgcc acacagcgct ggcctggcc aaggtgtgga 420
 acacactgac tcccagcaact gntccgaggt gctggaaacc ccaagtgcaa gacattacaa 480
 gacgccacgc ttgctgccaactgnatcc cgggaccgga ccagcgangg tggatn 538

<210> 10167

<211> 549

<212> DNA

<213> Homo sapiens

<400> 10167

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gcacagcaag acttgtctgc agacacacag gaggcaaacg gacagccgt caaccagaga	120
tggagacgaa ggccagcgtg gctctcacag ggcagcgctt ctcagaaccc ctggcccccc	180
tcgtgccaag gctggcctgt gtcaggcctc gcccacgccc ccttatgaca aatagaggcc	240
ggtgccaagg aggtggctac agagcagggg caaggaagtt atcctcatgt tctgataatg	300
accctgcaaa tcccacccca ccctnaggca cctncgtcta anggtgtcgg ttactccagg	360
taaggagggtt cccagggangg ccgtgttttc cctaaggctg atgaaacttg ctccgacaag	420
ccaggccact gggaggcacc tcaggatgga aaagatgctg gaggcttgc tggcttcag	480
gatgcccgga gccccacggg ggccaaangg gaagaangaa agcganttt aagacagatt	540
ggtgntggt	549

<210> 10168

<211> 537

<212> DNA

<213> Homo sapiens

<400> 10168

caatgtccac atcttcatat ttattccac agtgttaaca tggaatagac ttagcaacca	60
ttgcagagaa aaaaaaaaaat ctctcattgg tttatgagtt aaatcctgta acaatgaatt	120
tcaaccattc gaagtcttct gctgcttaac atttactgaa tcaaaggctg aagtaaatgg	180
actctcatct aggtctcaga aatcacacag ctggcctcgatgttta cgatggatt	240
taacttctaa tacaaggcaa gtttgacagt tacagccaat gaagtgcacg actctgtaca	300
tggatttctt gacctaacat tcaaaaggac atttcatagt actagttaa ttctgatctc	360
tctctagaag gcagaaacca catcccacac tcctatgcaa tttgttattt tggatttgc	420
aagtaaatga ataagaaggg gtggaggcat aaagaaaatc tagttctgg ctgggcangg	480
tggttcacgc ttgnaatccc gcnccttggg aggccaaggc ggntggatca cnaggnn	537

<210> 10169

<211> 542

<212> DNA

<213> Homo sapiens

<400> 10169

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 cagccttgcac ctcccaggct caggtgatca ttccaccta gcctccttag tagttggac 120
 tataggcaca tggcaccacg tccagctagt ttttgtattt ttttgtaga gacgaggttt 180
 cgcctatgttccccggcttag gcttgaactc ctggcctcaa gcgttccact cgccctcgcc 240
 tcccaaagng ctagaattac aggcatgagg tactgagcct ggcttgactt ataattctga 300
 tgaaaatgtt caatgtcaac ttaagaatgg gcaagggagc acatgggctt ttggaaattct 360
 ttttttttt tgagacggag tcttgctctg tcacccaggc tggantgcan tggcgtgatc 420
 tcggctcaact gnaacccctcg cttccgggtt caagcgattc tcctgnctaa ccttccaagt 480
 actgagaata caggcatgca ccaacacgcc cagctaattt gganttttag ganaaanggg 540
 gg 542

<210> 10170

<211> 557

<212> DNA

<213> Homo sapiens

<400> 10170

aaaaacatga gagcaaattt tacatataatc aatctccctt gcttgcctt aagaaaggc 60
 cgttcatagc atttggcaca aaccctctat ttctgttgca ttagcatgat tttaaataag 120
 aaggaaaata aacatttgat ttatttcattt cttccatagt ttctgggcag ggacatgcct 180
 tactctttta gaaaccaattt ccaagatgac atctgactgc attttctgt tggtccgaac 240
 ttctaaacaa acactcataa agtaagttt aacaatttgg agatgtatga gaaaaaagtc 300

ttgttctgtt cagttcagac tttgttaaaa aaaaaaaaaaaa aaaangaaaaaa gaaaaaaaaatg 360
 ctcatttcac atgtccatga tcttcatgga tttttttaa gcttatttga gtttgattaa 420
 gggacaaaaaa agaagaggcg gcaagtttc cctatcttggagtgaaa cgctcaagga 480
 aattttgctc atcaaggtaa gctacatacn cagnggacac atnaaaggca aactgggggg 540
 ctccgaggat acaaagg 557

<210> 10171

<211> 556

<212> DNA

<213> Homo sapiens

<400> 10171

agtccctagat acaattcatttattatcattt atcatgcccc ctagcacatg aagctggct 60
 tccacctaga tcagcttaagg acaggggtat gtttacaatg agaacaattt ctctatgcgc 120
 attaggttaa gacctcttctt ctgtttcttag aatactgtga tgactcacat ccatgggcca 180
 gctgcttcca ggaatccatc tggcctcaac aacattggc tgcctggaat aacggctggc 240
 acttgcacag ggcagggtat ggggagcagg cctcaggctataaggcactg 300
 ctgaaatagg ggaagggggc agccaacatg tagcaggttc tcccaaggca tgtagaagtt 360
 ggtggaaaaa tggggctggg gtgtgttaact tgccttcc caggaaggga cccaggcacc 420
 tggctcctg gccaagatca caggcgatcc aagagtcctc cagggaaagaa caagactgna 480
 cagacgcaca gcanaaangc ttccctggct ggnncatgaac tgccatggng acacgcttna 540
 ttcttagcccc caaggg 556

<210> 10172

<211> 472

<212> DNA

<213> Homo sapiens

<400> 10172

特平11-248036

aaaaaacaaa gtgtgcattt tccttactac gtttagtcag gaatatgcgg tcattttatt 60
ggttactggg tttctcatac aaacagatat aatatcaact ttaagagaaa tgtacacaag 120
gaagtaacca tagtaccact tattagtggg ggcctctggg tacataaatg ngtcctccca 180
aatagtcattc atacattcaa tgtattgggtt agggccaaaa tccctaaacc acctntcaac 240
aaaacattac acctttgggtt ctttattatg caaaaattac aaattggcaa attcaataag 300
aggatgcaat gggatttgag catnacagcc aaattgctt tactaaaaaaaaa tttaaattc 360
ttanaatctt ttcccttaa accttnccct ttcccacctt acatnagaaa aatggatgct 420
taaaacnaaa cnngaggagc aantaaccaa ccaaaaaacc ctntccccaa ng 472

<210> 10173

<211> 563

<212> DNA

<213> Homo sapiens

<400> 10173

ccatggctta cttttatTTT ttattataaa aacacatACA agagTTTAA gaaATAACGA 60
atataagaca aatcaaaACC atggTgAGTT attaaACCCa ttttCTATAT acaaATAACTA 120
aaATTCCCAa agnGGAATAT catCCAATGT gagCACATC ATAGCACGGT CCAATATGTAC 180
acggcacaca gagCTCTGCC tgCGCTCATC tgtGAATTGC tcattACATG tcactgataa 240
aaaaATCTGC aaggGAACCTT CTACTCTTCa gttCTCCtCT tcctgatgca ttgtcacata 300
ttttTAAGGA actTTAGGGA tatGAAGAAA atGCATTAaa gtgggTTCT gctaaggGCT 360
ctgcATgtTT tgctCTGATC aattACGcac tacatCTTGa gaaaaACTTT tgcaACTCAT 420
ttccAGCAAa gatAGCAGAA aactCTang tttGccaAT taatTTTTC ctAGCCTCAT 480
tggaACCCAA gtCCAAcAcc accGGTTang gacCCAAtCA tggTTTTat atGGGAAGt 540
caatTNTAAA aggCCCCTCA att 563

<210> 10174

<211> 568

<212> DNA

<213> Homo sapiens

<400> 10174

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aatctcggt	cgctgcaacc	tccaccaccc	gggttcaagc	gattcccctc	cctcagcctc	120
ccaagtagct	gggactacag	gcccggcca	ccacgcctgg	cttaattttt	tctatTTAG	180
tagagacagg	gtttcaccat	gttggccagg	atggtctcaa	tctcctgacc	tcgttatcca	240
ccggcctcga	cctccaaaaa	tgcttggatt	gcagggcatga	accacgtgc	ccagcctcat	300
tagttcttaa	agtcactaatt	agcattattt	tatgcccacg	aaccagtaag	tcagaccaaa	360
gcctgaaata	gtgtttctg	aaaaatggaa	aaggaaatat	aagaattta	aaaacaaacc	420
ttgaaatcag	tttctcaagt	taaaattctg	atggatgtca	caaatagtaa	gggcttcctt	480
actgagctct	ggcatctgnt	ttggctttt	tgcatactgg	gattggaa	gctgctgctc	540
aacattctag	cccatttnca	gaggggnnc				568

<210> 10175

<211> 541

<212> DNA

<213> Homo sapiens

<400> 10175

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gcaacctcca	tctcctgggt	tcaagcattt	ctcctgcctc	agcctccaa	gtagctggga	120
tttcagcacc	tgccaccacg	cccagctgat	ttttgtattt	ttagtcaaga	tgagattttt	180
gccatgttgg	ccgggctggt	cttgaactcc	tgacctaaa	tgatccgcct	gcctcagcct	240
cctaaagtgc	tgggattata	ggcatgagcc	accacacctg	gccttttct	tctgtttcta	300
actgtccct	tttatttccc	tatggagcat	ctactgagcc	ccagcccgag	agttagaaaca	360
aacctgctgg	ctgctctcaa	ggcacttata	gtccagtagg	ggagacggca	ctnaccactc	420
agtcacacaa	atgaccgtcg	aattgtgacc	caccctaagg	caattggctt	ttctgaggac	480
taaggaggga	cnaggagcta	aggaggaccc	ctttatgcca	antaaaacct	ctggggaaact	540

t

541

<210> 10176

<211> 545

<212> DNA

<213> Homo sapiens

<400> 10176

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 atatgagtttta ttgcctttat gtaatcagta atctcaaggt ttctcctctt tctctggaaa 180
 cacaatttaa atattaacct aatcttaaaa ctgcggctgc ttctttctga catttggaaa 240
 ctggtcatcc atacaaaaaaa aggcaaataat ggatatatta atgaaaaggc agcttctcaa 300
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 aangc 545

<210> 10177

<211> 517

<212> DNA

<213> Homo sapiens

<400> 10177

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 aaaatggaga cgacagtagt tacgacaaat acttgagaaa agcctatgaa attactgact 180
 ttggtagtcc agccaaacat ttgcttcagg aaaagcatcc agaaatataa tgattnagg 240

atatcaaggt atactatata aagcattttt gtatata tttcctctt tcccttggga 300
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 ctctgacttg cagggttcta ttgaagtgnn caccttgcct gagcttnaa gcttaaggaa 480
 tggccnagg aataccctgg ggncattcnc nccggaa 517

<210> 10178

<211> 539

<212> DNA

<213> Homo sapiens

<400> 10178

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 aggagttcca cagaaaaaga tggcaaccag aatgatattc cgtcagccag atttttaaaa 240
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 ctccaagaag ttccgtctca tattacttcc tactcctntc cagaataagt cagaacctt 480
 aagtcgtcat catcttaggg gaaaaggaaa atctanggc cctttcaag aatgagctn 539

<210> 10179

<211> 517

<212> DNA

<213> Homo sapiens

<400> 10179

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gcaacctcca tctccctggg tccaaaggcat tctccgtcct cagcctcccg agtagctggg	120
attacaggca cccgtcacca tgcccggcta attttgtat tttagtaga gacagggttt	180
caccacgtta gccaggctga tcttgaactc ctgacttcag gtgatccttc tgccgcggcc	240
tcccagagtg ctgggattac agatgttaagc caccgtgccc ggccttctat aagatcacag	300
aatgtataag ggccagagct gggattcgaa acaagggctg cttatctcta gagccctggc	360
ccttgtcccc tcacctttgt ggaggtgggg tttagctgga gctgaagggt agtctgcct	420
caggtagaag catggtgggg agagaaccan ggagtanggg tgggtgttna anacttccc	480
ttcacaattn cttgangagt ttttngggg ctttatt	517

<210> 10180

<211> 463

<212> DNA

<213> Homo sapiens

<400> 10180

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gtcaccaatg acaaccattc accaagctct gtgttaaaaat tttcatgtta tctcagttaa	120
tgttcccaga gacacttgag acggggatca accccatttt taaaatttga gacagggtct	180
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tatTTTTT tgtggagatg ggttcttgct atgttgccca ggatggcctc gaactcctgg	360
cctcaaggga tcctcctgcc ttggcctcca aagtgttagg attataggcg tgagccactg	420
nacctggnc naaccccant tttnangnga cttggcttaa aga	463

<210> 10181

<211> 484

<212> DNA

<213> Homo sapiens

<400> 10181

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 gccctcaggg aatgattcat aattaagaga aaagccttgt gcttatgtt tcttcctcct 180
 cctctaagca ggcggcaggg gaaggtggag ggggttggaa gggaatgggg ggaaccgact 240
 ggagactggg attttGattt agaggccca ttatccacac tcttaaaaaa ataaccgaat 300
 ctttccttt tttatcttga ccaatctcat ttcacgctcc agaagaggaa gggagggagg 360
 gagggagtcc gggccagga gggacagagg agtcagtatt ctgnatttc aacgctgcat 420
 taagcacatn gncacggtaa ccaggcagca acaaagtgcc ancttaacan gntnccaagg 480
 gagc 484

<210> 10182

<211> 355

<212> DNA

<213> Homo sapiens

<400> 10182

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 gggtgcgng gctcatgcct gtaattacag cacttggga ggccgagggng ggcggatcac 120
 ctgaggncag gaattcgaga ccagcctggc caacagggtg anacccatn tnacttaaa 180
 acacaaaaat tagcagggca tggngngca cacctgttgn cccagctact tgggaggctg 240
 aaacnggaga atctttgaa cccgggaggc ggaggttgca gcgagccaag atcacnccac 300
 tgnactccaa cctgggtgac agactgngac tctgncaaaa acaaaaacnn aaccn 355

<210> 10183

<211> 540

<212> DNA

<213> Homo sapiens

特平11-248036

<400> 10183

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taacaggtgt gtgccaccat gcctggctaa ttttgngct ttttagtagag atgggggtgtc 180
accatgttgc ccaggctggn ctggaaacttc tgggctcaag tgatccaccc gcttcagctt 240
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gccacccagg taagcatttt catggggctg gcttctntnc cttttggag aacacggatc 360
aaggcgtgaa actttggaat ctacagnacc agccataatc aaccctttt tccacaanac 420
acacaaggca agcatgcctg gatcctttt gacacanggg ncacatacat gccctaatta 480
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<210> 10184

<211> 534

<212> DNA

<213> Homo sapiens

<400> 10184

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cagttttagt ctattattat tattattatt ataatttaag ttctggaata catgtgcaga 180
acgtgcaggt tacataggta tacatgtgct aagttgttt gctgcaccca tcgacctgtc 240
atctacattt ggtatttctc ctaatgctat ccctccctta gtctcccatt ccctgacagg 300
ccctgggtgtg tgatgttccc ctccctgtgt ccatgtgttc tcactgnca attcccactg 360
atgagtgaga acatgtggng ttingtttct ggccttngna aaagtttgc gagaatgata 420
gtttccagct ttatccatn cctggaaang acatgaccgg ancctttta atggcnggat 480
aagnattcca tggatatac gtgccggaat ttcnttaatc ccggctatcc tnga 534

<210> 10185

<211> 528

<212> DNA

<213> Homo sapiens

<400> 10185

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taatatttat gttgttgtt tcttgttct ttttactca ctgcagtgatg aggaacaaat	120
cacaaacnct tactttggan aaacaganac cgtagngtan atttacaaa atcactttt	180
aaaatctctg tattgggctc ctcaaatacc tanagccagt cttgcataa aatatcacag	240
ctttatctat aaccttaaaa ttctgcagca gcctaaagat atggataaga tntaccacca	300
cttgctattc taaaatatnc ctattaccat atccaaccta angatagtat ctaaaaaatt	360
ctttcttcca taggaagtct ctgacaagct gntattcatt tccttgacgt taaaagaatc	420
tggggccaac atttggattt tatccgaaaa aaattnaaaa aaggttaccc accatggtca	480
ttttaagnac aatnggttt ccaggnant gngcccattt ttttnagg	528

<210> 10186

<211> 503

<212> DNA

<213> Homo sapiens

<400> 10186

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gagagtcatt acttctgggg gatggtgact agaaggtggt gggagggagg cttctaggag	180
ctgggtatgg tttgggtggtt tcttcacttg ggagcctgct cctgggtgag tgcgggtgaa	240
aagtcatcca gcaagacctt cgctttctc tgcaggcagg tagttatcc ttgagccatg	300
gggatgacag aaagctccca ctgctcanca ggggtcccggt ctcctgcgca ggtctctacg	360
gactctttc tgtgacctgg gcaatgccca actnntttca atattcaagc tggcgtn	420
ancaaggccg ttatgggaag gaangggcaa aaggatcaaa gtaattggga accantgaca	480
ncgggttaag ggtnatgcca naa	503

<210> 10187

<211> 447

<212> DNA

<213> Homo sapiens

<400> 10187

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gcagggtaag agggagggca gagacaactg aatcatagct gggtaaggga ggaagggatg	180
ggggactact aggaaaccag tttggagact cagtcatagg aactagtgc aaaaaagtccct	240
actcatgaag cacggngtag aaaatggcat aagaaagctg cccggctctg ctgtctgtga	300
tggagggcag gggcagccgg anaggtggtg gaagattagg gtggtggggt ggatggggc	360
agtcaaatga ctttgaggtg gantgaggtg ccccttncc ctgccctggc aaggnc ttgg	420
gctggnctga ccangggtct tctnggn	447

<210> 10188

<211> 544

<212> DNA

<213> Homo sapiens

<400> 10188

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gtataggcat gcaccaccat gcccggtaa ttttngttt ttagtagaga cggggtttct	180
ccatgttgtt caggctggtc tcgagctccc aacctcaggt gatctgcctg cttggcctc	240
ccaaagtgc gggattacag gcatgagcca ccgtgcccag ctgactttca aacgaaagtt	300
cactttacca tcaaactcaa aatgttagaga tatattcaat cgtgtgttta gtacagcttgc	360
taaattccca ttcaaagggt acactgtaaa tagaatgcag gctcataaca agtattttc	420

aactcttagg atggntgaaa gactgtctca gaaaatctgc aatgaactca naaggacact 480
 ttttgcag aaaaattcac cgtaactt aaaantacat ggctgaggcc ccaaggcatn 540
 gtna 544

<210> 10189

<211> 497

<212> DNA

<213> Homo sapiens

<400> 10189

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 acctccgcct cccaggctca agcgatacac ccacacctcagc ctcccagta gctgggacca 120
 caggcatgct ccattacacc tggccaattt tttgnattt ttggtagana tgagttctca 180
 ccatgttgcc caggctggtc ttgaactcct gagctcaggn gatccaccct tntcancctn 240
 tgaaagtgct gggattacag gcatgaccca cggccttcgg cccananaca gtttctataa 300
 aagacggntt ctigccatct cagcacacca tcgcgaagga gtgacggct ctiticagaga 360
 catggagggc caggcacctt gtgaccacat gcacaagtga ccagnacaca aaantggtgg 420
 aagcaactgg gccctggcgc cctgacccaa ggngggccccc atccanggga atgggattt 480
 gatggagann cccgngg 497

<210> 10190

<211> 279

<212> DNA

<213> Homo sapiens

<400> 10190

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 tacaggcatg tgccactgtg cctggctaattttttagtagaga cggggttttg 180

ccatgttggc caggctggnc taaaactcaa actcctgatc ccagntgate cgnccgcctt 240
ggcttccaa atngctggga ttacaggctn tgagccacc 279

<210> 10191

<211> 555

<212> DNA

<213> Homo sapiens

<400> 10191

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ctcgcgaggg ggacttcaag ccccttttct atttcttcat ataaaatcag gggatgggg 180
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cactctgggt gatgttagcga acccagggca nggcctggta ccactttct taatgatcnt 480
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ggggggggccg gcctt 555

<210> 10192

<211> 534

<212> DNA

<213> Homo sapiens

<400> 10192

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ctctgcctcc tgggttcaag caattctcct gcctcaccct cccgagtatc tgggactaca 120
ggcatgtacc accatgccc a gctaatttt gtatTTT tagacatggg gtttccat 180

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gttggccagg ctggctcaa actcctgacc ttggatcca cccaccttgg cctcctaaag 240
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tactctactc tagtggttcc taaacttag catcatcag aatcatttgt agactttgtt 360
aaaacacaga gttttggta cactcctacg gtttttaat caagtaggtc tgggtggag 420
gctgacagct agagttcta acaagttccc aagcccaact attgctggtc canaaacccc 480
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<210> 10193

<211> 486

<212> DNA

<213> Homo sapiens

<400> 10193

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atcaaattgg ncaggctggt ctcgaattcc tgacctcagg ngatccacct gcctcggcct 240
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aagcaaaggt cctattcaaa tgtaagggnnt ctttatatgc aaagaggtta cacgaagctg 360
cagcagntag attaagagcc aacacatcct tntntgcccc tgggacacat gagcnttaac 420
aaactccaca aactttcct ttatcacccca anaatgaanc ctggtatgct taaaaaccng 480
ggngaa 486

<210> 10194

<211> 517

<212> DNA

<213> Homo sapiens

<400> 10194

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 caggcgtgcg tcaccacacc cggctagttt ttgtatTTT agtagagatg ggggtttcac 180
 cacgttggcc aggctggtct cgaactcctg gcctcaagtg atctgcccgt ctggcctcc 240
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 aggcatata tactgtcaag tttacacgac acaattcaact taactatgat gaattatgaa 360
 gttaaatgtc aagctcggt aagtgtcagc attttctatg cgaatgacct atttgcagaa 420
 aagcacacaa tggcaaaaca agtggtaat nacaaaaacc actnacaaga gtgaatatcn 480
 tntaggaaag tttcacntaa aaaaattaac cgnttan 517

<210> 10195

<211> 535

<212> DNA

<213> Homo sapiens

<400> 10195

cctatgaaaa tgTTTTAAT tttcatctt tgAAATACA ttttcatTT ttATTTCCAC 60
 catacaaaaaa tgtgaaatat ctaacaatga tctatctgaa gcgggtggag caaagcagcg 120
 ccatgagcgt ttgtcgTTgc tgtgatctgt ttcaacggag aatgggctgg gacatgttgt 180
 agatttgcac gatttcacac acacacacac acacacacac acacacacac acacacacag 240
 acacgtacgc acacacgctg ccgtaccccg agaccGCCat ccaaacaAAC gaacagagac 300
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 cccccatgag aaactcacgt cttaggagaa aggaactcta cataaatatg cccaaaggcc 420
 agggcatacg gcaaggCCCTC tcatgggtgg gcatgagtgg acatctnct gaaggaagga 480
 caagcttcaa agcgcattgtt ttcangcagc tntngnggaa agcagggang nccaa 535

<210> 10196

<211> 558

<212> DNA

<213> Homo sapiens

<400> 10196

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ccagggctgc tcagaccctc ccgacccca ggggtgggag tggtttgga gttctgatct	120
tggtaggca ggcctgtcat attgccagaa atacaggcat agaggcaaga gagagaagaa	180
gaggagaaga agatagcagg aagtaaaggg gacaatgaag agagctaagg gactccttcc	240
ttcttcctcc tggcactgac tccttcctct ttctgcctcc acaccaatct ctggccacc	300
agctggaatg tcaaacagtgc gatggtgaca gcaggcaggg aaggggccag ctgcaaggca	360
ggcccaggca ggaggccggc agcaggagga acaggatgac acccttggga accagttgg	420
gatgggcagg gcacacagat ggccctgctg anggctttt cgtacgaang gtcttccatc	480
tccaaaggcna cacgtgaagt ctntccaaac tggcattgg gcttgactgc cgccccggat	540
cttcaagang gncaaaaa	558

<210> 10197

<211> 509

<212> DNA

<213> Homo sapiens

<400> 10197

gcaacacaag tcaatctta ttgaaaactg cagtattaat acataacaat tcttgttaca	60
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aaaatagtat caattgacac ctaactgaac tggctcagga tggaaattcc attccttggc	180
atggatacgt aagttcaatg cagaggtgag ggtgcctt aacactggaa gacaatgctg	240
acttagctt aaaaaagtac cgagagaacg gtgtaaaaaa cggtatttaa aaatcatttt	300
taaaaaaaca aaaaggaacc gtttcttctt tagttacaat ccatgaggct ctctagggcc	360
tctccgtgtc gccagcacag caaccctgct aggagcacaa acggctggcc tgagatctgg	420
cccagctgcc ttgcccactg gtctgcatacg ggactcatgg gcacagcctg tggtgangan	480
ggnanaccctg ncatgncnan cctgggagc	509

<210> 10198

<211> 554

<212> DNA

<213> Homo sapiens

<400> 10198

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 gaattctttt tttttttt tttttgaga cagggctctca atccgtctcc caggctggag 180
 tgcaatggca caatctcagc tcactgcaac ctccacactcc tgggttcaag tgattttcct 240
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 gtattttag tagagacagg gtttcaccac gttggccagg ctggctctaa actcctgacc 360
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 ccggcctgaa ttcattttt gataaaaatc caaaggagtt tataatgcct gcaataaaaaa 480
 tcattcnat nccttttaac atcttantgg ccaaacacat natngcaat taaaaataac 540
 ccccnaaaaa aatt 554

<210> 10199

<211> 539

<212> DNA

<213> Homo sapiens

<400> 10199

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 caacacctccac ctccctgggtt caagcgattc tcctgccgca gcctcctgag tagctgggat 120
 tacaggtgcc tgccaccaca cctggctatt tttttttaa tgagactgag ttctactctt 180
 gttgcccccagg ctgggatgca atgacgtgat cttggctcac tgcaacctnt gcctcccgagg 240
 ttcaagcaat tctcctgcct cagtcctcg agtagctgat attacaggca tgtgccacca 300

tgcccagcta actttttgt attttagta naaacgggt ttctccatgt tggtcaggct 360
 ggtctcaaac tcctgacctc aggtgatcca cccacctcag cctcccaaag tgctggatt 420
 acagacgtga gccactgcgc ctggccctaa ttttggatt tttagtanaa acangggttc 480
 actatgttgg ccaagctggc tttnnaacttc tgacctcagg ggaacngggtt actttgccn 539

<210> 10200

<211> 547

<212> DNA

<213> Homo sapiens

<400> 10200

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 atcacaactc acacaatgct atattcaaat tatgccaaag tcccaacata ttcatttcat 120
 ttgcaagtta attcctaaaa gatcagagca gagtgataca caagtttatt aacacagact 180
 acaacgtcaa tgaaggctcc tggcattgtc ggaaatagaa aacatgtata aaaatctcg 240
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 gcaattattt cccttcaaag gaggtttgtg tccagctgga gagaaggcct ggtggacaga 360
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 ctctgctggg cctcttgca gcgacttcaa cttaatgcat aacgccgtaa gtttgtaaga 480
 aaagcaactt ttggcttgat cttaaaaaag ctgatttctt ttggcagcat attncggnng 540
 gaactgn 547

<210> 10201

<211> 552

<212> DNA

<213> Homo sapiens

<400> 10201

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agcctccacc tcctgggttc aagcaattct ccctgcctca gcctctcaag tacctggat 120
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 gcactttaaa aatttttta atttaacttt ttgagacaag ggctccctct gttgccagg 420
 ctggagtgc a gtggcacaag tctttggta ctgcagcctc aacccctgg actcaagcaa 480
 tccttccatc tnaagcttcc aagtagctgg gctactggc acatggccca aaaccagtt 540
 attctgnatt tt 552

<210> 10202

<211> 577

<212> DNA

<213> Homo sapiens

<400> 10202

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 attcccaggc caaaggaaaa aaaaagcctt cacagaaaga gactgacact cgactcccc 180
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 ggagcacagt tccttccng cttctgccgg gcttgttaag gngngcatgg ttganccctgg 540
 caagcattt gattttggag tctcactttt aggccaa 577

<210> 10203

<211> 590

<212> DNA

<213> Homo sapiens

<400> 10203

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acgtctagag	aacatgaaag	tggcagagca	aaggagcaga	aagctagaaa	gagctggatt	180
ccctgattca	aatggtacc	ccggtaccct	aaaccagccc	tgggttcctt	atctctgtat	240
tttcttcac	atgacagaga	aataaaccct	tgtctctgtt	attatttggA	ttcgTTgttt	300
catgcagaaa	cattaaatct	tgactgaata	ccaacaccta	atcagaggca	gaagccagct	360
acccacactc	tgcacccaga	gtcatagatt	cacagagctA	ttgccttaat	ggatcatcct	420
cacacctagt	tcacaagatc	aacgacagggc	tggcagcttA	aagaattccc	gggggaacaa	480
ggcattggaa	aagtcaaggt	tcctggggcc	acccatccct	angggatttG	gattcttatgA	540
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<210> 10204

<211> 570

<212> DNA

<213> Homo sapiens

<400> 10204

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cccagaaggt	aataagcatt	atcagtgagt	gagagctcta	ggcacaaaaat	aagttctcat	180
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gtagaatcag	gcctgattaa	gtaatatttA	tgacttacag	ataaaattca	aaaataaaaa	360
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<210> 10205

<211> 469

<212> DNA

<213> Homo sapiens

<400> 10205

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 tcttaaatgg aaaattaaag gnggctccag tangncctt tggaaaaccc ctttccctn 420
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<210> 10206

<211> 285

<212> DNA

<213> Homo sapiens

<400> 10206

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 aactttgcca ataatngtag ataatacngg attctccca aanggactac cacaaaacaa 180
 agctttcaaa gagaaaaaaaaaaa aaaangtaat ccaangggc ataaaactgn 240
 ggtctgtanc ctatgacttc anggttcaaa tccttaangt taanc 285

<210> 10207

<211> 560

<212> DNA

<213> Homo sapiens

<400> 10207

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 atgacagaca gaagagcaag ggcactatca gaaatggaac aggctgcccc ctactcctcc 180
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<210> 10208

<211> 549

<212> DNA

<213> Homo sapiens

<400> 10208

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 tcagcttggc tgtgtggtagt atgctgccaa gggtcgggtg ccaagagaga gcagaatgaa 180
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acnnttatt						549

<210> 10209

<211> 553

<212> DNA

<213> Homo sapiens

<400> 10209

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attacctgtt	gcgtataaga	gaggcaacat	agatccaaac	agacaaaaca	ttttggggt	180
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cagtactata	cacagcgtca	attaaaggct	tcacttcaga	ataaggcatg	tgaagaggaa	300
atccagagaa	cctgttagtct	cccagctgtt	ttagcagttc	tgctctgtgg	catcttctac	360
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cctattcccc	cgagtcanat	ggcgtggnc	ncagtcatg	actgatctt	aacctgctgg	480
aggacttgg	tactatnggc	ctatnggggg	ctaagggtcc	tngttctat	acattctggc	540
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<210> 10210

<211> 505

<212> DNA

<213> Homo sapiens

<400> 10210

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 atacactggT atcaagatgg tatcggttt taacattcct cttagcagcg gnggttgnT 180
 tcccagaggg cagaatatca gtatgtgaa tttctggca gttatatttA gacaaagaAG 240
 gagtattatc tggactgttt atataattca angttccctt aacgcttagc tttcggctAA 300
 attctggcaa cttttcatt ttcatggaaa gttcctcac agttcgtggA gattttattt 360
 tatctggcaa tgaccaatta attgaactgc cttttcaca gggcttaggat ttggaaaaAA 420
 atgggtccat aattccaatt cagnccatt tgnancancc ngaanccAAA ancggcaAA 480
 ggggattcac atgggactgg cctcc 505

<210> 10211

<211> 540

<212> DNA

<213> Homo sapiens

<400> 10211

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 cacaggcgcc cgccaccatg cccaaactaat ttttgcatt ttttagtaaAG acagggtttc 180
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 cataaggcaa tttctttctt ttttgTTTg agatggagtc tcgctcagtc acccaggctg 360
 gagtacagtG gtgcgtctc agctcactgc aagctctgcc tcccaggTT acgcgcattG 420
 cctgcttcag cctccaaagta gctgggacca caggcgcccc gcancgggCC cagctatTT 480
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<210> 10212

<211> 539

<212> DNA

<213> Homo sapiens

<400> 10212

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agctgggatt acagggaccg tgccaccatg cctggctaat tttgtattt ttagtagaga	180
tgggtttta ccatgttggc caggctggc aagaactcct gatctcaggt tatctgtgtt	240
gcccgtcaca gcagccacta gccacatgtg gctactgggt cctgaaaatg tgggtggcaa	300
aacatacacc caatttgaa tacttaatac aaaaaagagt aaaaaatatc taatgatgtt	360
aattatatgt tgaataact tttagaaatt tgtgttaaaa tatatagtga agattaatct	420
cacctttttt ttttccttg gtgagacagg gtctactgtc gccaaagctgg antgcaatgg	480
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<210> 10213

<211> 547

<212> DNA

<213> Homo sapiens

<400> 10213

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tacaacctca aattcctggg ctcaagtgtat cttctgcct cagccttcca aagtgtggg	120
attataggca tgaggccact gcgcaggcc tcgttagtca ttatctacc aaatacatgg	180
aaaactcaca gaatcagagg gtcttatcac caaatctatg ttgccttgc aaaaggtcag	240
gtcctgcatt ttcaaatgt tccttgtgct ctgttatgct ttatatttca tagcacagca	300
acgccccctt cacaacgact ggtgatcatg ttaccaattt ctgtccatgt atctgaatga	360
gggttataaa cttcaactga gtccaaaggta cctggagcca aaaaatcatg gctggaagat	420
cgacctccag aaacatacag aagaccattt actgccacaa cacacatgcc tgctctangc	480
actttcattt angcaacttn aaccctttt tncttttaa aaggaaattt ttctnccgg	540
tggaaan	547

<210> 10214

<211> 542

<212> DNA

<213> Homo sapiens

<400> 10214

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 cacaccctca aagtgaagtc aaactgtccc cctcatactg aagatgtcat gccaaaacca 180
 tcacataccc cactgttcag tgaaactgtt ggcaacttac atggaacaga gctgtggggt 240
 agaaaaagg gaaaagggtt gcgttaaaaaaa aaatggggag actctacaca tgcagaacaa 300
 gttagtggga gggagtgcTC tgctgggtca acacGCCatg aaccacacCC ctattcgTgc 360
 tacatgaggc tgagtccTTg ctacaaccac acagaaaatac agacaatcaa gtgaacctga 420
 gcacccccag ggataacaga agaaaaatac agagaagcag aggagagaaa gaatggcagc 480
 aagangcaga tcacagaATC cangggacac ctagTncnaa cctggTTac cnatngggna 540
 ag 542

<210> 10215

<211> 529

<212> DNA

<213> Homo sapiens

<400> 10215

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 ttacaggcat gcaccaccAG gcccAGctAA ttttGTatt tttAGTAGAG acggggTTTC 180
 tccatgttgg tcaggctggT ctccaACTCC tgacctcagg tgatctgcct gcctcagcct 240
 cccaaAGTgc tggattaca ggcATgAgcc accacAGCCA ggctattttt ggaattttct 300

aaagcacaaa acacataatg aaaatacagc ttcaaatttc cttccacata tattctttag 360
 actaattaca aagttaaagt gaagggtgtt ttttgttgc cagagcatct ttttagaga 420
 gaagtaggta tagatggagt tgctatacat aaagcactga aaagnggctc tttcaggatn 480
 ggaaacaaca ntccctta aaataaccnt ntgggggcca aaanaaagn 529

<210> 10216

<211> 554

<212> DNA

<213> Homo sapiens

<400> 10216

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 cagctctgag gccgaggctg gcgtcctgtg gcagagggcc tgtggattgc catgctcgct 180
 cccaggggtg gctcaacagg gacacagggtc tactccttcc acatcggtt tccggaacaa 240
 caactgaact ctcattcatt accatcccat tcattaccat tttttttac atacacgaaa 300
 cacaccgcaa tgtatagact aataagccaa gagctttatt gatgcagcag gcactttaca 360
 atgagccaa gagtgtccac cttctctggg aagacaggat gtctgtacaa actcttgggt 420
 tttttccac ttcaaaaaca caagcttcc cgtttaccac agcccttgg tctgnacctg 480
 gccaaaccat tccttccccca aggcacacag ggaccttgg accaanacca gnccngcaac 540
 ttgnaaaacc ggna 554

<210> 10217

<211> 537

<212> DNA

<213> Homo sapiens

<400> 10217

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ctgtctctgg ggctcaagcg attctcatgc ctcagcctcc caagtagctg ggactacagg 120
 cttngctac catgtccagc taatatataat atatttttt attttagtag anacggggtt 180
 tcaccatgtt gcccagggng gtctcgaact cctgagctca ggagatcagc ccgactcgcc 240
 ctcccanagt gctgggatta ccagcatgag caaccatgcc cgccctaatt taagttttt 300
 ttaatngat gttgaagatg cttcagaaat gactagtcac tctcacatga ctataccact 360
 gctgcatgag gcataaggta cttccctgn cctgnacacc acaacgcacc acaactgaca 420
 cgtcgtgggg cccttcacag acacctgtgg atggaatgaa tgaaggcaca ccattacatc 480
 ccnggacaga accttggaaan ctggcattg tnccaaggcc cggccggaaa aatggct 537

<210> 10218

<211> 544

<212> DNA

<213> Homo sapiens

<400> 10218

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 tacagacatg taccaccaca cctagctaattt gttttagat atgggtttttt 180
 actatgtttt ccaggctgggt cttaactcc cgacggaccc caagtgatct gatcacctcg 240
 gcctcctaaa gtgctggat tacaggtgtg agtcaccgcg cccagccat gtatTTTTA 300
 TTTTATTTT TTTGTTGCAG AGATGGTGAG GATGTCTTCG TTTGTTACCC AGTTGGTCT 360
 tgaatttgtg gctttaagtg atcctccac cttggcctcc aaagtgcctg gtttacaggc 420
 gtaagccaac gtgcctggcc tgnatttattt ggaattcctt ttncattct catcttaatg 480
 cattttccaa atngagaagg acatccttct ggcttacact ttnaaaaatt nccgtttca 540
 tggn 544

<210> 10219

<211> 512

<212> DNA

<213> Homo sapiens

<400> 10219

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cactggacca tccagtcagt tatggagtaa tgggcttcct ccaaagagaa ctgacttggc	120
agaaattttag gttggtagga atgtgattaa catggagtaa acgagatcag gttgtcagta	180
taatttcat aaggcttcta cccactccag ttgtaaggaa tagtactgag ggaactccaa	240
cagaatgtct tagaaggatg cttctcagag acaaagggtc tctaagttt actcttgacc	300
cctcttcctcc ttacctaaag cttggggaaag aaaataaata ttaattttt aactattcag	360
agctttgggc acattataat aattaaatat tctggaggtt aaatttctga cccttggcctt	420
ataaaattttc taacntacnt ttaaaaagg nntcaatggc nccttttca gtaggncccc	480
cttggaaattt aaacctnggt ctttcatttt tt	512

<210> 10220

<211> 520

<212> DNA

<213> Homo sapiens

<400> 10220

agcaattatg agagcaaata ttattatgt tccagacact aaatcgatgc attacattt	60
gagacactta gtttacaca gtgatcttaa tagttggta cagtctaaa tcccaattt	120
tatttcagga aaaagaaact gagaaagtat tcacatcatgat tagaaaacaa caggcaaggt	180
ttgagctcaa atactctgga cataaaatct tcactctgaa tacacatatt gctcatattt	240
tcctctcctt gattcccttga tgtacctggg gtatcctgag caacacactg acataccctc	300
caagaacctt tagttgatgt tggtggttgt catgggggtg gttcctatgg actacctagg	360
tagcatggat ggtggctaac aggcttggg cctcttcaca tcagtgataa agtcaaacat	420
ggataaaatgg gaaggcaagg atgttataacc catactgncc ggctttagga gggatttaggn	480
aactttctct ggaaatntga aaaagaggna angngtnaat	520

<210> 10221

<211> 552

<212> DNA

<213> Homo sapiens

<400> 10221

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tgtatccaat	aagcatggcc	cttacacagt	tcatgaccaa	tattagtta	tatgaaaatg	120
gttcattctc	ttctagaatc	taatccaggc	cagtcatctg	gtgaaagact	ggaagtcaga	180
agactttca	aaagcttctc	actgaaatgg	taatttgta	acacggata	aacagaattt	240
tgcataaata	gcagaccctt	agtcaactgaa	tacccatta	aacagtactg	ctggaccatg	300
atacttatat	ctgggagatg	acttagttt	aaattttta	tgcagttct	tttcttgaag	360
aaaaaaacttc	cagacttcag	aattttggaa	gctgaacgat	gagcagggtt	ttcatatttt	420
gctgctcaga	cattttcct	atttctcaga	cttgcagtt	ctttcttag	gtgctttaga	480
gcacctaata	tatcagcttgc	ctggggggc	attcngggct	ttctgagagt	ccngaccgga	540
aagtctggtt	gg					552

<210> 10222

<211> 286

<212> DNA

<213> Homo sapiens

<400> 10222

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cctntaccca	ctgcccttca	tggctgctgc	agtggccgca	gctgtggccc	atggccagcc	120
acactgtcaa	ggttcagcga	tgctgcagtc	atagcanaag	ttgaagttgg	tgggggggtgg	180
gggcacaggg	ggtggccgct	cggggatggg	cacgttctcc	agctccagca	gacgcagnntn	240
gnncatcg	gtcagcagnt	gnccaggc	cagccngtc	tgntcg		286

<210> 10223

<211> 534

<212> DNA

<213> Homo sapiens

<400> 10223

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tacagacatt ttccaatcct tcaggttca actggcaa at gccagcagac at acccacag	120
agccagagct cctcaggctc ctccacgtcc aacggcgtct cacagtctg aggtatgagga	180
cctgggttag gggagcacgg gagacacagc catcaaggca tccaccccca ggacagacac	240
cagccaagaa ccccctcagg gcaaggcctc tcacaagtcc aactccacgg attccaccgt	300
aagtgcgttc aactggatgc gcatttacaa aatctgagtt ttctcaaaga agctgaagct	360
ttccgtgtcc tcagtgattc tggactccca gcgccgtacc actccctgcc agccacacag	420
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<210> 10224

<211> 488

<212> DNA

<213> Homo sapiens

<400> 10224

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gtggggggcc tgggttgcta cattgtcaag cagaaagagt tgatgggaag gggaaagacca	120
gtgtaggcca gacccctccc gggtcggcgg ctgaagggtt gacgatacgg aaaccacgga	180
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gggaggggac agccatgagg tcttaggaact tgaatcgggg aggctacaga ctcggcgaat	300
cctgcgaagg ggaagggcgg nggcgaggct tctattgctt tttgctcaca gtttgcgga	360
aggcgaggcg gnggtggct tggactggac accccttgcc cccctcggtt ccccttggc	420

natggtgctg gtgaaaagaa tggAACCCGG acttgganga anaaaggccaa ngggaaagnct 480
 attgnggn 488

<210> 10225

<211> 471

<212> DNA

<213> Homo sapiens

<400> 10225

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 acgaagaaaa acttaaatag ggccttcaga gatcccacac actacaaaga ttctgccaag 120
 ccataagata agtgtgaagc ccagtatatg tccagcttt ctccctcagga catcttcagt 180
 gtttcttctc ttttaaacac cacatcaggc tctagccaca gacttgcgtt ttgggtgtgc 240
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 ctaacggccg cccttcagga tcacagatgt gcttggtggt ggtggcaaag catggcactt 360
 gtgtgcagtg atgagaagca gcacacggca aggctgagcc ctttatcagc aggcctccgt 420
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<210> 10226

<211> 530

<212> DNA

<213> Homo sapiens

<400> 10226

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 caggacttgg aaaaatcata ttctggaaag cagcttgcgtt agtagccaaa gagatgtctt 120
 cccaaaaagc cactaaatgt tgtaaagtta agggaaagagg agacttagac ttcattgtgt 180
 tatgcatgga catttcaaaa gtggctcggtt tttccatc ctcacattt tcatgcagag 240
 gtggttcctt aagcatagac aataccctgt ttttgcgtt gctacccatc tttagatata 300

ctggtccatg gggtgcata tttaaacatat tcagtgcaga tgatatttct aatgaatgtc 360
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<210> 10227

<211> 527

<212> DNA

<213> Homo sapiens

<400> 10227

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 ttcacttgct atccagggat ggcctagcag aggggtgtct gggaaacgct gccagaaatg 180
 tggtggccca gggcctntga ggactcacag cccccctcctc gcctccccgc tccagcctcc 240
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<210> 10228

<211> 533

<212> DNA

<213> Homo sapiens

<400> 10228

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ctacaggcgc ccgccaccac gcctggctaa tttttgtat tttctttagt agagacgggg 180
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 catcaaaaat aagatagggg ctgggattgg gggttacacc tataatccta acacttgtgg 480
 angccaana tggaaaagtg cctgaaggcc aanaagtttaa agaaccanct ggg 533

<210> 10229

<211> 535

<212> DNA

<213> Homo sapiens

<400> 10229

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 tgggagtaaa gagagaagga aatatttact agtggactt ttacggtgag gcaaaaagta 360
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 caaacccaga accaccaccc cttcattttt ctcttcattt tattcagaac aantattatg 480
 ctantancctt tgactaagtc cctggggaaa ctntcaaaa gaattggctt tnggt 535

<210> 10230

<211> 257

<212> DNA

<213> Homo sapiens

特平11-248036

<400> 10230

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caacctccgc ctcccagggt caagtgattc tcagccctt gagtagctgg gcctacaggc 120
gtgtgccacc atgtccggct aattttgta cttgttagtag agatgcggtt tcaccacata 180
ggccaggctg gtcttganct nctgaccta ngtatctgc ctgccttngc ctcccaangt 240
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<210> 10231

<211> 522

<212> DNA

<213> Homo sapiens

<400> 10231

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ctgcctgtca atgcatcatt attgcccttc ttgattgctg ncttggtaga tgattcactg 120
cccccccta naagaggact atgtgtcatc tgcctgcccc atgacctcag ccttggccac 180
atgacttgng gtaccagtct ntacagaaga aggatgcctc cttatatgca aactcaggtg 240
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<210> 10232

<211> 538

<212> DNA

<213> Homo sapiens

<400> 10232

特平11-248036

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cagaacaatg gccaccaggg tttaggcatt ctctcctccc acctggagggc tcccactgac 180
atctgaattc ttctttccac aggttgcctt ggattcagtg acctttctt ggagattttg 240
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ctagatctt atttttata agggatgtat gaagttctc atatgcattt tcaaacttct 420
cctctgcctg ctggctctat ttcaacctc ctgatatgga agagaagacc cncnaattt 480
aaaggggtgn aaaaagattt ttggatttgg aactcaattt ntaaaanggc nngggaat 538

<210> 10233

<211> 536

<212> DNA

<213> Homo sapiens

<400> 10233

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ttacaggcat gcgccaccac atccagctaa ttttgtattt ttagtagaga cagggtttct 180
ccatgttggt caggctagtc tcgaactgct gacccttaggt gatccgcctg cctcagcctc 240
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cagattccca ggctttgggg atgggggtga agatttatga acncaggttg gtttnaatcc 480
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<210> 10234

<211> 548

<212> DNA

<213> Homo sapiens

<400> 10234

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atttctgcaa	ctccaatgca	aaatgatagt	ccatgtgttc	tggcatatcc	cataccggta	180
ccagggagcc	acacttctca	cagggcactt	ggtcctcagc	agctagaaga	cttggatttg	240
gggttgcctt	ctgagtcacc	tccagcacag	atttggaaagc	tgaagaggcg	tgcatgcttt	300
ggctgttgtg	ggccaaatcc	atctctgcag	gagttgcctt	agaggattct	tctagcttcg	360
acaccccttc	acaaacaggg	acacaccctg	gatactctgt	tggtaaagag	tttggtaatg	420
cttacagtt	ggaccatggg	tttgggtggg	gggaagaaac	tgaagaatta	ttaaactgg	480
tctgnntaa	aaacccaacct	ttctgnnta	aanaaggctt	aagttcctgg	cttgcactgg	540
gttgnan						548

<210> 10235

<211> 530

<212> DNA

<213> Homo sapiens

<400> 10235

gccctctgag	aaataattgt	ttaattgtta	ttatatttt	tttccaagac	agtcttcatc	60
tgtcacccan	actggagtgc	agtggcgcaa	tctgcctca	ctacaacctc	tgcctcctgg	120
gctcaagcga	tttcatgcc	tcancctccc	aagatgctag	gattacaagt	gtgtgccacc	180
acgccctgct	cctntgagaa	ataaatgagt	aaaatgcacc	ccctgtgagt	gagatgatgc	240
atctgacttg	caggaataaa	ccaagtgaca	tctggagatc	actcatggaa	gctggcctgg	300
aacagggttg	tgatttagcg	agggaaagcc	cagtaacctg	tggtgttcc	tgtcttgctt	360
ctcccatagt	gacttctgga	aattcagggc	ctccttggtc	acatcaatct	cccgcttgat	420
ggcattgtatg	tgctgggtgg	nctcgctggc	cctttncctt	cggtcattta	agaagggatt	480
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<210> 10236

<211> 511

<212> DNA

<213> Homo sapiens

<400> 10236

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 ggcacatgcc acaacacactg gcccgaatta tcattcttgc cacataataa aggggaggcat 120
 gtttccactg gtggaatgtc gtactaaaac atcagaggct cataaaataa ttacatagtt 180
 aataaagttt taagaaaatt attaactata ggcaacattt tttcatgacc ttctaagaat 240
 caaggtggtt canagcatct gacccactgc ttaatcaagc ttccttatata aattaaaggt 300
 tactaggtgg ctttgactaa aattatgaaa agggacggaa atgtcttgtg gagacacagt 360
 atgaatgata gagcaagact gcttcacgaa aatgtaaatg atcaagttat tttttcccaa 420
 ggtttaggaa tccctgaagg gtctgaactt nttaatgcta acntgnccag gccccattta 480
 ccntccgggn cccaaaggcnt tcctancata t 511

<210> 10237

<211> 548

<212> DNA

<213> Homo sapiens

<400> 10237

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 ctaggaggca gaccacggaa gcaagtttg aggggacagt ccctgacaga ggctagagca 180
 tcatccaagt ggaggagatg agacagaggg aaggagagg gaggcctaag gattttcccaa 240
 gagggggagg tgcatgactg ggcaggaaa gcagcctgct cgcctggcgg ctgccaccat 300
 ctctctcatc ggtggggccct cagaccttgc cccattgctt agggagacaa tgactggcca 360

cagacacacc cccacacaca tttccaggtt agacagaagg taaaaaacaa aggtggttgc 420
 tcccagcaact gcctggnctg ggagctccaa ctatcagagt ccagtgaaca agccattatn 480
 ggcaagnttg gnccgtaaag gtggctggtg gtgnngaata cttgggtggg taaccaatga 540
 aaanccgn 548

<210> 10238

<211> 472

<212> DNA

<213> Homo sapiens

<400> 10238

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 tcgcccagcc catccgctgc ccagggcagc tgacgagcag aaacacactc tgcatggcc 120
 cttgtccgtg ccggggccct cgccccgcagc accgcacgtt cttgttagga gcagaacccg 180
 aaactcagag cacagcttgc cctgataact gtcttcccag ctggcagccc tctagaagat 240
 gtggaaatg acacattcct gtccagacac aagccacagt cacccttc ccgagggcgt 300
 ccacggcctg agggaccgg ctccattcag cagagccgca gcgctcaggt cctctcggca 360
 acccacgatc acggcccacg tggtcctgcc catgccccg ctgccacgcc ccctgntgcc 420
 acgcatgccc cccgnttgcc angcatgccc ggaaacaacc agnagcnngg cn 472

<210> 10239

<211> 536

<212> DNA

<213> Homo sapiens

<400> 10239

cccatggtat gtttttaatt ctgaaaatta actgaaggag acaagagaca attaaaaatt 60
 acagcacctc tcatgtatggat ttaaatggat catttatcct acagggataa actgttaacca 120
 aaacagattg tggggctcta gactccggac agcaccaaaa attcaagttt catatgaagt 180

cctaatactt acagttgatt tccattcagt attcggtatt ttgctcacct gagaatagat 240
 actccccaga gtgtatagag gcccctgtat attcaatgat gaccacaaag aatcaaacag 300
 aaatcagaaa tgacagtcca tggctctatg gttttaatg aatagttgn gtagatttc 360
 ccatgaaaca cccctgatct tagttgggtg atttataagac ctatgatgtt ggtggtgatc 420
 agctaagcaa actagccaaa cngaagtaat ttcaaattaa ggcctttac tttgggctat 480
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<210> 10240

<211> 550

<212> DNA

<213> Homo sapiens

<400> 10240

actaatttta ttaatttcta taacaaatta ccccaaaact tagtagcata agataaccat 60
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 tgtacattgt gggaaatttta gacagggcat gtccaggatg acttgctact tctcctcaaa 180
 cttttagcc tctccttagga gactcactca gatgcctggc gattgctctt ggctgtcagt 240
 tggaggcctc agtgcccatc catgtggct tctccatggc ctctctgtgt gggctcctt 300
 gggctccttc acagcctgat gactggcttc tccagaatga gtgtcccaa aagagcaagc 360
 cagatgaaag ctgtatcacc ttttcttatt ctagcctcag aagtcccata gcaacacgtt 420
 tcctggacac tattctttag aaagttagtc accaangca tattcaangg ggaaaaggaa 480
 ttaagaatct ancctttggg ggaaaaaggg ttaaanaatt ggccaagaag tttggcctt 540
 ntgagtatnt 550

<210> 10241

<211> 469

<212> DNA

<213> Homo sapiens

<400> 10241

aagagacagg gtctcacact atgctgccca ggctggactc gaactactag gcccaaagcc	60
atccctgtgt gtaaaccacc cgagtagctg ggagtacagg tgtgcaccac cacgcctggg	120
ctttagca tttttaagg aacctaggat atttagtcaa aagagaacac tgcatgaacc	180
aaggcctcag gtgccttcgt ctgccttcat ttccacagag gagaacacag ggatttagag	240
gagatggaaa cattttctag gcagttattt aataacggat ctttgagga gttcggtgg	300
tagttaacc agaaagtctt taaaattaaa cccttctaatt cgtttgcataa tgtaatggg	360
gggacttgaa aatctccggg gcctaattcat gctgcaaaa ggagtgcacat taatagctt	420
ggagaagggg gcttnctntt ctttccagg ttaagtcaac cgtacnnnn	469

<210> 10242

<211> 519

<212> DNA

<213> Homo sapiens

<400> 10242

cggagcgtag gtgtgttat tcctgtacaa atcattacaa aaccaagtct gggcagtca	60
ccggccccac ccatcacccc agtgtcaat ggctagctgc tggcctcctc catctggtcc	120
ctccagcctc acagcctcct cctgaagccc ttccctcca ggctccagaa gagcaggaga	180
caaacacacc ccactgaggc ccagcttaa taaagtgcct gatacagagc caggggacag	240
aaccagggtg atacagctcc cgacagccat cccaggacga cagagggtcg agggagaccc	300
tcggaagccc ccagtgactc cagacaaagg ggcaagcccc aaaggcgct ncaacagttt	360
aaaaacctcc ctgctagagg gcanaaaagg aggccctggcc cttaagagc ccagctaatt	420
gcaactggct naaggccta aaaaacnagc ttanggttt ggncccgttt cttaaaagn	480
ccccaacctt gaaggagttt ggccaaaaaaaa nccctaaag	519

<210> 10243

<211> 563

<212> DNA

<213> Homo sapiens

<400> 10243

atctttaac gttataattt tatttcaaag aaaacagaaa cagaacaaaa acaaccttg	60
catttggagg aggagattat ttacagttt tgaaaagaa taagaacaat tgtatcagga	120
aacaaatgtat tatgacagaa actcgcatcc gacagctgca gtgaatccac gaggacacag	180
accatgctgg tggccacagc agggccacag gtgaatccac aaggaaacac agaccatgct	240
ggcagccacg gcagggccac agggcacgt ctccatgtgt taatgtttaa tgtcagcatt	300
ttcatatgga cagaaatcac gaagaaatcc tgcaaaaatg gcatcaatat gaacaaaccc	360
tttgtataaa aagcaaaata ttgataggaa caatatctt cagcgtgtgc gttcacatt	420
tangcttac tggatgaaac taagtcaaaa tttagaagcac tggctatct tccaccgaca	480
tatattttac tggatataac ctcaagggt tttcttaacc ataggcttaa aaggattctt	540
ttttccaat gngaccnngac ccc	563

<210> 10244

<211> 563

<212> DNA

<213> Homo sapiens

<400> 10244

gagcaaatgt tgatttatta cctcaggttg taggcattt caagacaaaa cggagacatc	60
cagtgtgatt ccaagcaggc tcatggacta gtgcttacca taacccaggt gcaccagcaa	120
tctggatat ggtctccac agaagcactg catacagaga aggtgcattt atttattcag	180
tagacagcaa gatttcccag ggagagggaaa accgccctgc cccacctcta ccctggcttc	240
ccagacttct aaggtcttta ttcaagcagtg actttcattt gatgaggtgg ctctcctctc	300
tcacgtcacc ctgtcggcca ccttgaccaa taggtcaagg gagacttctg ccagctcgct	360
tctgctctgc ttagtggccctc atcctggccac tggctttt caggctctc ctccctttgc	420
cctggcggac gtggggcccc actctggctt tcttcttgn accangccct tgcaatggat	480
tcttgctgct ttagggaaaa accngttct tggangagcc ttnttaaaa caaacctggg	540

tggccaaaa ctaangtgc nct

563

<210> 10245

<211> 513

<212> DNA

<213> Homo sapiens

<400> 10245

aaaggataac atagatttat gtttatttgc attttatgtt tccttatggt tcataatgagt 60
 ttattggaaa attagcaaca tacacatcat tttggggaat ggaaagttag gcagagtaag 120
 ccagaacatt cactgtaaca ttataagcaa gtagaataaa ttgataatac ctaccagg 180
 aatgcacttt cccttagtgaa aataaatttat ttgtataaaat agcctttga tggttgtg 240
 ttatttagtt atacaaatca cattttctt tttacatat ggcactttaa tgtagtact 300
 gaaaatgttt tttctgacat ttttcagta attgtcattt acatcaaata tgtagctaga 360
 gctaataaaaaaa aacagttaa aacaatttgt tgnaatggtg agatatttat aaggaaacat 420
 ttatnaaaga tcttctgtaa gacagcttaa acttgaaaat cttatcaggc cttaaaagca 480
 ntcaagnggt tttaccancc aaaggtnnga agc 513

<210> 10246

<211> 559

<212> DNA

<213> Homo sapiens

<400> 10246

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 ccttatttttta cacatccgaa gaaacaccat cacaggaggt ttgtaggctg gctgtgtgct 120
 ttccaaaaca gcaaaataga ttcttcccat ccaacccctt ttcctttgt agagtaggg 180
 gtggctcggt gggcttcgtc tctctgcagg cacagaaact ggcagacctg gtccctcctg 240
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taacaacact gtgcatttct gtgtcatttt gtttattgct cactgagttg ttgccacctc 360
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 atggtccgtt agggacacag ggcagccccca gccagatccc actggtccat gcagggcatc 480
 gcagtagaaa ctnaacgtnc cactntgtaa caggctncaa gacaccaatt ccggcancat 540
 gggaaagaan taaaccttn 559

<210> 10247

<211> 569

<212> DNA

<213> Homo sapiens

<400> 10247

gagatggagt cttgctctgt cacccaggct ggaggcagt ggcatgatct tggctcactg 60
 caacctccgc ctccctgggtt caagtgattc tcctggctca gcctcctgag gagctggcat 120
 tccaggcatg tgccaccaca cccagctagt ttttgtattt ttagtagaga tggagttca 180
 ccatgttggg caggctggtc ttgaactcct aacctcaggt gatctgcctg cctcggcctc 240
 ccaaagtgct gggattacag gtgtgagcca cagcgctcaa tcttccttc ttcaagctg 300
 caaataaatt tatggaaaat gtgaacactc atcttctaatt gcttccagaa aaatgaaatt 360
 gagtaaaatg gaagtgtatgg cataattctt ctttcaggc tatggagctc ttgaagaatt 420
 ttactgttaa taaagatcac cagcagcatg gacacccaga agagaattgc aaagaagtaa 480
 gtgggaaaga agatgtcaac ataggcnctg atgactacng gggaaaatgn cgtctttaaa 540
 caatggcaat tggagcntta antggccct 569

<210> 10248

<211> 532

<212> DNA

<213> Homo sapiens

<400> 10248

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 cacatacatc agaaagaatt tggcaataag ttaacaccag caatgtctgg aggttgggtt 120
 attcgatttt ttttgttcc ctttcttta ctctatccag aagcaggggc tataattgtc 180
 acgggaccct tgggatgtcg atttgccagc cagaaacctc tgtggcaggc agcgccttct 240
 gcctgagtat tgctcgccc cacagggctc gttccaccca cttggcctgg caggctgcgc 300
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 caaagagtgt atgagcgaat gagcatgggg tccagccact gtgcacagcc acgcatgcta 420
 gctgctgtgg caaggcagac agcttcaggc accagcacaa gtgccagctt catgcaaggc 480
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<210> 10249

<211> 539

<212> DNA

<213> Homo sapiens

<400> 10249

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 caagctccac ctccccagggtt catgccattc tcctgcctca gcctcccgag tagctggct 120
 acaggcccag caccacaccc agctaatttt tttgtatTTT tagtagagac ggggtttcat 180
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 aatTTTcaa actaccatat aataaacatg tctttcttta ctttttttg agacaaggTT 360
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 cctcctggc cttgatcgcc tgggtcttga cttctggc cgacctttag ccctctggc 480
 ttacaatcc cctgcttaac ctttgagtac tggaccataa cggnngtacca tttggtaa 539

<210> 10250

<211> 555

<212> DNA

<213> Homo sapiens

<400> 10250

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ggtaggtca tttgcttagta gaaaagaaaag ctgggattcc ccatttactt tggagactga	120
ggagaaaagaa ctgcttccc cactcggtc tggcaaaagg gtgtgccagg atgttggcaa	180
aggaaccaga caaaatcaac agccagcagt tttctgttcc aaacagtttag ctcctctaca	240
gtccagaggg aagctattcc tgagttcatt caaggtgaca gcggaaagtgt ttctctcctt	300
ctgcttgcc caactgtgcc tgagggctga tggatccaga cttgtaaac attcagctag	360
gtgtaacata accagaaaagg ctgaaggaag gctcttgcc ttcccagctt gagaagtagg	420
ggcctcatgt gtatctggtg gnctgcanag cccaaagcag anagctatga tgaataaaaat	480
atttaatgn tttctaaaat aactccttta tatccangga tncttcagta ngccttattt	540
atcctaaagc tcttg	555

<210> 10251

<211> 570

<212> DNA

<213> Homo sapiens

<400> 10251

gagacagagt ctcactctgt cacccaggct ggaggcagt ggtcaatct tggctcaactg	60
caacctccac ctcctgggtt caagcaattc tcttcctcag cctcccaagc agctgggatt	120
acaggcacgc accaccacgc ccagctaatt tgttatTT tagtagagat ggggtttcat	180
catcttgcc aggctagtct tgaactcctg acctaagtg atccacctgc ctcagcctcc	240
ccagcgtgct gagattacag gcgtgagcca ccacgcctgg ccaagttggc tttttttac	300
acaacatgat gccttagtgga ttcacccatg tttctgtgt catccgcagt tcattcctt	360
ttattggta ggttagcattc cattgtgtga acacgcctg atttgnttac tcattccact	420
cctgagggac atttgagttt ttccccctta agcttttgn aaattcaagc acccttcat	480
aattggctt catcttctt caagggaaatc nctttttt tctcaaaaagg atccngaaca	540

ataggnattn aanccttcctt ggaancggc 570

<210> 10252

<211> 566

<212> DNA

<213> Homo sapiens

<400> 10252

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 tcgtgatctg cccgcctcag cctcccaaag tgctgggatt acaggcgtga gccacccgcct 120
 ctggcctctg tgaaggcttt cacaatgccc tgggtcacct caccagagaa catgcagctc 180
 cgaatactgg ggctcccacc agcctgggag acccaggaga gcagggctcg gggctgactc 240
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 ggctgaaagg acctgaatgc acccccagct ggggccacat tcctgtccca acacgccagt 360
 gcccaccctc tgccttggtt gcccaggaga cccagctgtc tccttcctgc cctgctgagc 420
 tgaggccact gggagacaga tttacacaga aagtacacacc ggggtgaag ggctttgga 480
 ggctcaaacg actgtggaa ctggatattt ggagcgcaan ccaaccttgg gggacaaggg 540
 aagnTTTng gccaAAAacc cntaat 566

<210> 10253

<211> 570

<212> DNA

<213> Homo sapiens

<400> 10253

gagatggagt ctcactctgt cgccctaggct ggagtgcatt ggcgtgatct cagctcacca 60
 caacccctccac ctccctgggtt caagcgagtc tcctgcctca gcctcccgag tagctgggat 120
 tacaggccac aaccacgcct ggctaatttt tgtatTTTT agtagagatg ggctttgccc 180
 atgttgcacca ggctggctt gaactcctga cctcagggtga cccgcctgccc tcagcctccc 240

aaagtgcgtt gattacaggt gtaagccacc gcactcagcc atgcctgctg tttctcaaaa 300
 ccaagacctg ggggaagtgg agaaagatgg atgtttgga aatgaatggg ctcaagacca 360
 acaagagtga ttgcaggctc cagatagtgc ctctccacc ctagtcccga cctcctgagg 420
 aacccttcag gacatggcct gcaaaagact agggtgagca gggtatggca ccaagcaccc 480
 attggncag ttggtgccac gcattccgt gactggaaag agacaacgta nactggactt 540
 accctntaan ggggttaaac ccggggggnc 570

<210> 10254

<211> 447

<212> DNA

<213> Homo sapiens

<400> 10254

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 caacctctgc ctccctggct caagtgattc tcctgcctca gcctnccgag cagnccggac 120
 tacaggaata tgccaccaca cccagctaattttatatttttagtagaga cagggtttca 180
 ccatgttcat caggctggtc ttgaactcct gacctcaggt gatccacctg cttggcctn 240
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 gattttctgg gtacacaattt ctaggctatc actatttctt cccaggactt tgaagatattt 360
 atttactatc ttctggctt ccactgntgc tttaatcaa ctacttattt tcttcttcc 420
 ananaancnc ttctttntt gccttaa 447

<210> 10255

<211> 562

<212> DNA

<213> Homo sapiens

<400> 10255

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gacctccitgg gctcagccctc ctgaatagct gaggctacag gtgtgcacca ccacgcccag 120
 ctaattattt gtactttttt gtagaggcag gtttcacta ttttgcccag gctggtctca 180
 aactccccggg ctcaagcaat ctgtccaccc tggccttcca aagtgcgtggg attacaggct 240
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 cagatgctct gaggcctgag ctcgtgtta tggcaagcaa cacagccaaac catgcacagg 360
 gaggtcatgt ctggattaga atggccgacc cattctaattt ctctaaacga cgcatttca 420
 aaagctttga cactggatct taagaaaata agtaaactcc ttggtacaaa agcncttaag 480
 aaaattaattt acattaaaca cagttcagga agcaccgtgt gatctggcca tgccaggcag 540
 gcaaagggn tttcaggggg gc 562

<210> 10256

<211> 545

<212> DNA

<213> Homo sapiens

<400> 10256

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 tacaggtgca caccaccaca cccagctaag tttttttttt tttagagaca gggtcttgct 180
 atgttgccca ggctggtctc aaactcctgg tctcaagcaa tccctccgccc ttggccttcc 240
 aaagtgcgtgg gattacaggc tgnttttaac gtgtattatc ttattactag tatatattac 300
 ttgttgcccc gtctgcccaa aaaagacacc actgaagtgt atatatgtt caagttcctc 360
 tccagtgacc ctncatccaa ctccacagag tcagctacta gtaacagcat ggngtatcct 420
 tctagaactt tccacaagcn cacacaaccg ngtaaatatg aaggttccca gaccaacctg 480
 cccacccggn ttttnaaaaa aaaaaaaagng ggaatttncc aaaggcctgg tttgaacgg 540
 tcccc 545

<210> 10257

<211> 563

<212> DNA

<213> Homo sapiens

<400> 10257

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cagtcaagct aaacagcaat gatgactttt atggtaaagg atgagctgtat cactagctaa	120
gctacttagt caccatcctg ggagatgagc tcacaggcac caaggcttg ctccctgtgg	180
cctgctagtt acagtgaacc agctccatgg attgacaagg gtacacagga tgacagcaga	240
gcaaaggagt ttgccaaagta tttgttctgt cattaagtat tcaaaaagaac atatattttt	300
cttcatggaa cataacttcc taagaatgaa atttggggac ttgaatgatt caaggtcaaa	360
tattaaacat tagctccttc accaataacct gncattgnca ttagaaagga aggccctttt	420
gttacgctac tggngattca caagggcctt ttgtcggcca agaaggcccc ttgnggctt	480
ggcitttaact ggcaatggaa gcctaaactt ttgccttag gcatctangg cttccangg	540
ttggaagttt caacccaaatg gtg	563

<210> 10258

<211> 554

<212> DNA

<213> Homo sapiens

<400> 10258

gaaacatgag ctcacttggt gctctctggc ctctttatttccatctcctt aggctgaccc	60
tgacaagtgc cagggccagg ctggaccaa gcagtcaact gagtcagcct gccctggaa	120
ccagggcaggg gagggagctt acggacgggc taggctcagg agagtaagag agagcagatg	180
aagggcagaa gtccgtggcc gcagagggcag ctgagcatga gggatggagc gtgctgctgt	240
cctgcaggtg ccgttagccc tggggcact tggggatttgcac atctgctcag ggcacaggg	300
agatggcaca gcaggacccg cggcccgagcc tcgctgaggg catgctcccg cctcacctcc	360
agaggctgtt gggcgaaagc cgaaaagctg cagcagttgg ggccagcgtg ggactggang	420
cccaagggtgaa tcttgtgggg caagggacgg agctaagct gtcccgcccc gggnccttcc	480

canccaaagg ncctaaaacc tttagccttta atccctgggg ggtttgcttn tccctgaanc 540
 ctgggggtttt ctga 554

<210> 10259

<211> 575

<212> DNA

<213> Homo sapiens

<400> 10259

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 gcacagcagt gagaggagct gaggccaagg gaggcagtca cacaccctag ctctgcaaga 120
 cctccaagat ggcccggagg atggcagcag ctgccaccgc cccgggtct ggctgctcca 180
 gccgtgctga gctgatataa ctggctctc cggctccagc ttccatattc ttggtggcct 240
 cggctgcagc ttggcactc ttgactgctt tggcaggac ttgtaacaga tcagctcctg 300
 ggctcttcca ggcttggagc tcctgccccg ctgcccacag agaaccacag atagtcctgt 360
 cccctggagc agccttgcca tacttctgca tggcttccag gcccggcatc catggcagca 420
 gaccaggctg ggaagctggt ctggccttc agggcttgtg caacccagt caggaacang 480
 ccataaacgc cccaaatgaa ccttccatct ttcaagagc ngaccgacaa ctggaaaac 540
 aacttgcaag gcttgcaang gggtgggccc tcctn 575

<210> 10260

<211> 550

<212> DNA

<213> Homo sapiens

<400> 10260

acaattctca tattttatgg tgataaaaaa ttaacgtcat cattcagatc 60
 cattatttgg aatgaagaat tttagtatttc ctgactgcct aatttggcac ttgaggaat 120
 ttccctctgca cgctgagccc caaaatgcac tattttctag accaaaaatg aaaacgtcg 180

tatataacaag tgagctgaaa agttacaaca caagatgatc attttggtaaaaataatcc 240
 ccccaaataa gcagcatgtc atgtccttag aatatgttac actagaaaagc tagtaaaaat 300
 tcaggctaag gaggcaattt agagttcaag ttttatcaca tatcagcaaa gttttgcct 360
 tcccttaaaa acagacacct tcaaagtgaa atcttgccag aagggttgat tttaattat 420
 gngtatatac aaacttctct attttaacat tcaacatatt caggattaan tctagaaagg 480
 agctatagct gattattaaa ccaaattgggtt aggaccgaag gaaattggc ccccaattca 540
 tnganncctn 550

<210> 10261

<211> 476

<212> DNA

<213> Homo sapiens

<400> 10261

attttaatat tttttattaa gggctataaa aaataccag aaagataaaat aaatgngatg 60
 caatgatatac tggcctaata tgaanaactt tcttcactg nattgnnttc cttcacaatg 120
 gccttcaaatac cacaggaggc agtgattcca tgccatttcc tcttctttta ttacacgcta 180
 caggatttct gaatcagttat ccccgccctc agtcttctct ttataaatca aagtcatttt 240
 caatccacccg tttaaaggga gcgtatTTTT ttctttcca cgaanaggac tcttgnttc 300
 actatggagg gagaaaaaaaaa aattgnggca gaaaattatt aagtatcatc gccatTTTT 360
 taaaaaatca tatcagacca taagccctac ctttcttta atttactatt cctggatatg 420
 aaaaatggag ctgatttggc aactcagttc ctccatncca ggagccaggg cagatn 476

<210> 10262

<211> 495

<212> DNA

<213> Homo sapiens

<400> 10262

ctgagacgga gtctcgctct gttgccagg ctggagtgcgt	60
tgcaagctcc gcctcctggg ttcatgccat tctccgtcct cagcctcccg agtagctggg	120
actacaggcg cctaccacca cgccccggcta atttttgtat ctttagtact agagacgggg	180
tttcaccgtg ttagccagga tgctctcgat ctcccgcacct tgtgatttgc ccgccccggc	240
ctcccaaagt gctgggatta caggtgtgag ccacggcgcc cggctggtgg tttcatata	300
tttacaatgt tgtgcaacca ccacccatt atctaattcc agaacatagc ccgtcacc	360
aaaaaggaac cttgcatcca tcatacgatca ctctctattt cccctacccc acttnccctgg	420
caatcactaa atcactttt ggtcatatgc cattgnntaa taatggacat ttcatataaa	480
tnatacacaa ngggg	495

<210> 10263

<211> 473

<212> DNA

<213> Homo sapiens

<400> 10263

gccaaaacaa actttattgc nccaaaagg aaaacaaaaaa aaacaaaaaa acttcattta	60
tatacagtca gatntaaaga catnttttg actcctngc atatatttcc tcaactcaag	120
attagggcat aaaagtcaagg ctgctatgcc anacatgctn tgccctatgg cagggccaag	180
gagaggattg tcacttgaaa gngggAACNC ttAAATGGAT gacagacaac actggaccc	240
cagaccaaga gcattctnt aagccctgga gtagctcgag gaatggaaaga gggaaattgg	300
aagcagggtc cttttcgat cttcatgtga agagacccag cctnttcaag ggtatccaag	360
ataaaacttcg ttccccaaag cccaccaatc cctgnccagt ccttgnntt ctgccttccn	420
aataggacat tctccnntgg ggccaagccc ccntgnaca aaatcctcca ngg	473

<210> 10264

<211> 497

<212> DNA

<213> Homo sapiens

<400> 10264

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ggtgcagtgc	aatggcatga	tctcgactca	ctgcaacctc	caccccccag	gttcaaggga	120
ttctcctgtc	tcagcctccc	aagcagctgg	gatcacaggc	atgcaccaggc	acacccagcc	180
aattttgtat	tttagtaga	gacagggttc	ctccatgctg	gtcaggctag	tctcgaactc	240
ccgacctcag	gtgatacacc	cgcctcgccc	tctcaaagtg	ctgggattac	agggtgtgagc	300
caccatgcct	ggccctgggg	gacactttt	tcagaggcca	gatgtcaact	tccatctcca	360
catgcctcaa	gtttacacat	cattgcacat	cagcacagag	ccccatcatg	taagggnatc	420
tttgggttat	tctggccctg	tgagaagaaa	ctattggcag	cnaaagccat	actggccttt	480
ggcaactttt	cccaagt					497

<210> 10265

<211> 489

<212> DNA

<213> Homo sapiens

<400> 10265

gagacagagt	cttgctctgt	cacccaggct	ggagtagtgc	ggcatgatct	caactcacca	60
caacctctgc	ctcctggttc	tcctaaatcg	ctgaagcgtt	tctcctgctt	cagtctcccg	120
agtagctggg	gttacaggca	caagccacca	cgcctggcta	gtttttgtt	tttttagtag	180
agttgggtt	tcaccatgtt	ggccaggctg	gtctcaaact	cctgacccca	agtgtatccgc	240
ccacctcggc	tccccaaagt	gctgggatta	cagggagag	ccaccacacc	tggcataaaa	300
tacattctt	aaattcatat	tatctgcttc	ttttacttc	tttaatgtg	gctcctggaa	360
aatctaaaat	ttgattttag	atctatggct	ccattatagc	attcctattt	ggcagtgctg	420
gtcttcctt	ccatgagaac	ccttttagctg	ggaaaagttt	ttctggacta	atttttttt	480
aaattttna						489

<210> 10266

<211> 491

<212> DNA

<213> Homo sapiens

<400> 10266

aaagaagccc aaacacattt tcttgctgta tttatgttga attccccatc	tacaatgagc	60
agtcacgaag atggcttct tcagggcaac atggcacag gactggggca	atccaggggga	120
ctgagaggga gcgtgaggat gggaggtggg gctacctct gctgttcac	attagagaca	180
aactgtaaca cagtccatgg gcctgcaacc gtccctttt attatctggc	ataacgcgtg	240
atgtagttgt ccactttatt ctggaagtcc tcctgtcct gcaaatgatg	ttctgttagct	300
tcaatattca gtggatcatc aaaattcaaa aatcagtaaa caaagagttt	aatccccaaa	360
cgacatcctt taatgnctc atgggagccc aaccagtgcc cgcaattgna	tggtctctca	420
gtaactcaga catattccc tggctttggg aatgttgggg tgccanatct	tggtcaggcn	480
tttacttttg g		491

<210> 10267

<211> 495

<212> DNA

<213> Homo sapiens

<400> 10267

gagacggagt ttcaactcttg tcacccaggc tgaagtgcaa tggcatgatc	tcagctca	60
gcaacctctg cctcctgggt tccagcgatt ctccctgcctc agcctccaga	gtagctggga	120
ttgcaggcac ctgccaccac gcctggtaa ttttgtatt ttttagtagag	acggggtttc	180
accacgttgg ccaggctggt ctgaactcc tgacacctagg tgatctgccc	accccagcct	240
cccaaagtgc tgggattaca ggcgtgagcc actgcaccca gccaaaacgt	ttttataaaag	300
aggtttaaa aagatggta tgttatatt atgtgtat	tataattaaa aagttgggggg	360
aaacattta aaatagtgac cataccaat tggtaag gctggggca accggaattc	420	
ataccactgn taatagaaat gaaaaaccgg ncaactactt nggaacagtt tggcaagttc	480	

nttctttct ttnnn

495

<210> 10268

<211> 431

<212> DNA

<213> Homo sapiens

<400> 10268

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 ccaaatgcac acaaaccctg tctctctcaa gaatcactga tgtatttcat cgtagagttg 120
 agaatttcta ggccatgaag ctttctcagt tgagcagcaa atctgggctc agctgtgcac 180
 agcttccccca gagcaatgcc tgcgttccacc tgacggccg tcttctgtgt gtcactgcct 240
 gcaagcttta acaagacctg caaaaggccc gtcttagca ggaaagacgc aacgttgggc 300
 acctccatgc agttaccaag gcagagggca gcgttgccca ccagaacctc atcctccgag 360
 ctgagcagct tcatacataac gctcaacttt ttatccagtc ttantacttn ttnccgagct 420
 tnangnanac c 431

<210> 10269

<211> 499

<212> DNA

<213> Homo sapiens

<400> 10269

gagtctcgct ctgttgcaca ggctgaagt cagtgccgcg atctgggctc actgcaagat 60
 ctgcctcccg ggtttacgcc attcttctgc ctcagcctcc caagtagctg ggactacagg 120
 tgcccgccgc tacgaccggc taatttttt ttatttttt tagtagaggc ggggtttcac 180
 cgtgttagcc aggatagtct ccatctcctg acctcgtat ccgcggccct cggcctccca 240
 aagtgcgtggg attacaggcg tgagccactg cgcctggccct aattttact tcgtctggct 300
 tggtaactac ttggcccaa cagctggctt aaccgcac tcgcctgaca cactagaatg 360

acacagtgga attttggat gtaggitta tgtggctca aaaacaggaa gtttctactc 420
 taggtcctaa ctagaaggat tncnttagaa acataaaaatg caaatnagc aatctataan 480
 aagtngttaa aaaaagtcc 499

<210> 10270

<211> 473

<212> DNA

<213> Homo sapiens

<400> 10270

ctttcccatt tggaacaagt gcccatcaa ggcttaggag atataaaaga tgtacaagaa 60
 caactccaag atcccttta agagtcttc atcttctgt aaaaactaaa ccaagataca 120
 taacatatga gtgtcacata tcgcatgcta attcagaagc aagctatatg aagcaatagg 180
 aaacacagag ccgtcagagc gggaaagccc tggaggcacg agtcagcgat gacaccacag 240
 ggtattcaag gagcaccaat ggcctgcagg tggcagaaac aatggaggaa ccagcctgag 300
 tcaaggagga ctcacttagt aagcttggga aatagggctg aagacgtgga ctgagcagtc 360
 gatggaaggc tcggaagtca gacatggntc acctgcgaca ggggcctnaa caagagaccg 420
 gtntnaaggc actggttaa ggccntngt ttaaaacccc gttgcctn aac 473

<210> 10271

<211> 445

<212> DNA

<213> Homo sapiens

<400> 10271

cacagtccctt cacataattt atggatttca gaacatcaact ttataaactg ttgccaaatt 60
 accacttaaa cactaatatc caaatacaga atttagaaaa ttatTTaaa tttaactct 120
 accatcccccc cgagctctcg gctatgaatt tagtctggga agagggctcc gtaataggcc 180
 actgaggtcc tctgtcccac cacatcatcc tccccggaaa actagctgcc cgactgctct 240

accagacttg ggctagaatt tggcttcacg gtggcaatgg gaccacctgg gcctacagt 300
 gtggcaaaat caacttgcac acaaacccca tcccagggtgc tgggatgcta acacactgaa 360
 gctgaaagac cacacttggn tttgccacag atcaagctgn atntgactag acaggctgg 420
 ctnacccta ttnctgnaa aangc 445

<210> 10272

<211> 493

<212> DNA

<213> Homo sapiens

<400> 10272

ggcgttggct ntagagcatt tattgnaaac aaaattgagg taaaagaagc tgacccanaa 60
 cccacgccccg tccaggctgg ggaagtctnt actngccccca caccaggccc cgagcacccgc 120
 gggcccnaag cagcccccan aggaranacg ggcctgcgc actgaggttag ctgcataatnna 180
 agcccccatg agtacaactg cccagggctg cccaaattccc anaggggagg aggagagaga 240
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 cagccttng ggctgggcac ttntgcctg gncacccagc cagccatggg gcaacggggt 360
 ggccaccaaa agcgggcctt cttgggtcca agncacttgt tttcaagca atcccttgggn 420
 accccttggg aagcaagtttta anccagacgt tttgaaggta ntgggtcn ggataaccgn 480
 ggccctaattt ttc 493

<210> 10273

<211> 429

<212> DNA

<213> Homo sapiens

<400> 10273

cttggtatcat gattttatag gaagcacatt tgtgttcaag tgaaggcaga ggcgtccacc 60
 ccaagtcacc agagcgcagg tgcagagagg aaaagctgtc agcttagtgcc agcctccaag 120

ggccagcgct acccttcaac agctggaggc accactgtgc gaggcttcc acaccggcct 180
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 cagcaggcac caggctgggg caccagctgg ggcctggta cgcccagaag gtcacacaga 300
 cggttgcgct gctctctcac cactgcaagc tctgcgtccc acgcagtgtc actgagcaca 360
 gtcaccacct ngtccaagac atncgggccc acgaagtnac ttgangngaa ccatgnnttg 420
 gacccttg 429

<210> 10274

<211> 490

<212> DNA

<213> Homo sapiens

<400> 10274

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 caggcgcccc ccaccacgcc tggctaattt ttttttgta ttttagtag agacaggttt 180
 tcaccgtgtt agccaggatg gtctcgatac cctgacttcc tgatccgccc gtcttgaca 240
 tgttactttt atgggcagaa aacagcacta caaagttgtt tcagggaaagt ctggctgtga 300
 agctggcagg aaaggagaga gtggctgggt gaagaaaaccg ggttgaacaa tttttgntt 360
 ttttcggatg ggaggtatct gaacatgact aaatnccgat ggacagaatt gatngaaaang 420
 ganaattgcc aaaagagcnn aaggcatttt ggaaaagaag gaggaggacc canggtccta 480
 agggaaaggt 490

<210> 10275

<211> 520

<212> DNA

<213> Homo sapiens

<400> 10275

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 ggcactgcag ctctggagtg gccagctcac cacagcaccc tccacttcac ctgggggaga 180
 ggagggatgc tggtggtaa ggaggtaaa accattagtt ccagtaatgc cagttcccaa 240
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 tccagccatg aggagcaact cgaggagaga aaatatagcc caaggagggtt agaagagttc 360
 caatatacct cctcccttc cccaccttaa aaaagaaaaa aaggcagttt aagnnattta 420
 ttaccccaa aatnggttcc ccttaaggct tgaaaaagg accaagatgc cagcnntgag 480
 ggagtnctga aaactcanag ctnatctatc cttgagcctc 520

<210> 10276

<211> 475

<212> DNA

<213> Homo sapiens

<400> 10276

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 tttttttttt tttccaggggg tggcgaaaaa ggttggcagt tggcatttct ctatgcctg 120
 ctccagctct atccanagac gtggcatcat agagacatcc cgatctccctc tgtggaggc 180
 atcggactgt acggaanatg gggatggat agaagaaaaat ggactggcaa ccagctctgc 240
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 aaacgaaatg tcaatactct gccctagcga tatctgtgcg aggcaaaaaa agaaaaaaagc 360
 aagcaagcaa accagcaagg gctttggcgt ttggaaaaa ttatthaaca ncanttgntt 420
 gcacctttgg aanaccctg gggnttccaa acccgccaa tcntgttggg naggg 475

<210> 10277

<211> 543

<212> DNA

<213> Homo sapiens

<400> 10277

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 ttcacaaaaca gtataaagaa tgtactccaa tgatattacg cgccaactac tcacctgaaa 120
 aagaaaacat tgtctctgaa ataattccta attatacaat tttgcaaata agcactataa 180
 atattaaaat gttaaagactt cagtgtataa tgtcaataac atcctgcctt tttaaaaatt 240
 gcttaaaaca tttgttaaag atcatgcaaa ataaacactg tattaaaatg ctagattaca 300
 ctcaaacatc aaggcaatga aacacaaaag agcaactatt tagcacaatg actggcccag 360
 taaataactt aatcagcata ttaataaaaa cccactgagt gataaacatc gaaaatgtaa 420
 cactgaatct agataatagc gcatntggcg atctaccatc taccgncta actggacttg 480
 ggggnaaccc nccggaatca ttctacataa atgagctntg tnnaacgata ccatattcat 540
 tgn 543

<210> 10278

<211> 519

<212> DNA

<213> Homo sapiens

<400> 10278

agtgggggaa gggtgagagc tcagcactca ctgcatttatt atcacagtag gtgacaaaagg 60
 ccgcagggag agggggaaag gtccagagct gtggagaaag aaggggctcc ctgtctccag 120
 ggtttgtta aggtttctc catggcctag ggcccagcca cttccctcac tggcctcaaa 180
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 ccaacatggg ctgccactac tggttccata tgaacaagcc ccaaggcctt ctggaaaatg 420
 ccggggtncc gcttgggccaa accacaacct nngangtcaa cnccaaatca antggtcacc 480
 ccagnccaaag gccttcaaga tgccttaac cgtcgccaa 519

<210> 10279

<211> 548

<212> DNA

<213> Homo sapiens

<400> 10279

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 ttacaggcgt gcaccaccac acccagctaa ttttgtatt ttttagtagag acagcgttc 180
 accgtgttgg ccagcctggc ctcgaactcg agacccctagg tgatccccct gcctcggcct 240
 cccaaagtgc tgggattaca ggcgtgagcc accacgcccgc gcgtccttgc taaggttct 300
 atccactatg aattcttcga tgtttgcaa ggtttgaatt tttagttaaag accttgcac 360
 attggttaca tttgttaaggt ttgctccagt atggattgcc atatggtaa gtttagggttgc 420
 aacgaacact gaaggctttc cacactcatt acacctataa gggtttttc cagngggaat 480
 tcttctatga tttgcaagat gggangttt gaagtgaaga ctttgccaaa ttcgttacat 540
 ttggaang 548

<210> 10280

<211> 545

<212> DNA

<213> Homo sapiens

<400> 10280

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 ggagttccca gcggcccgcg gctgacggcc agatctgtcc tgaggggtcg tggagccca 180
 ggcgcctgcct tgagggaaat gaacactgaa aacaggattt gggagcagta ttggattgac 240
 agcagagaag ggactgttg taagggcagt ttctcactga agctgctacc atttccctt 300
 gtaaagaagt catccacctc ctcccagcgg tgcccathtt caagacgctg cccgagcctc 360

ttaaacacgc ttcttcaaag ggttttcca caacgggttc tgaaatgttc tgcttcagct 420
 ctggaggatg ctctaaatta gttcaccatg atgaagttag atttgcagtg agctataact 480
 ccgtcacagg gtcatgctcg ccttccgttt gatggtacct gcnaagctgca ttctcaggat 540
 gggga 545

<210> 10281

<211> 529

<212> DNA

<213> Homo sapiens

<400> 10281

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 cctcctgagt agatggact acagacgccc gccaccatac ccagctaatt tttcatact 120
 ttttagtagag acaaggtttc actngngttag ccaggatggt tttgatctcc tgacctcg 180
 atccacctgc cttggcctcc caaagtgctg ggattacagg cgtgagccac catgcccgg 240
 ctcaagggtt gaatttcaa cataacttaa gaaaccctca tcctttgggg ggatgaccgt 300
 gagitgcagtt taaaaaaaaaaag aaaagaaaacc ctcctatgaa ttaaacaggt ctgggttaga 360
 gggcaaagtt ctccttctaa ttanaatgna agggacctga naactctatt catgnctaaa 420
 ttgcaagggc cataaaagggg ccaactcatt atangggnc aataaagaat ctggtnata 480
 gatgaattaa aaacgacctg ggnnaanaan ccggtttaaa ttnccatc 529

<210> 10282

<211> 512

<212> DNA

<213> Homo sapiens

<400> 10282

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 catcctcttt cacacttaaa taatcaagag gtgaacctgg caaatttata ctataacttc 120

aagatttagg ttgaagttat cattcttat gaatactccc atgtgcattgg ttcattttatt 180
 acagtgcgtt aattactctt ttttaaagt tgtaattt tctttttt tattataactt 240
 taagtttag ggtacatgta cacaacgtgc aggtttgtta catatgtata catgtgccat 300
 gttgggtgtc tgcacccatt aactcgcat ttaacattag gtatatctt taatgctatc 360
 cctccccctt ccccccaccc cacaacaggc cccagtgtgt gatattcccc ttccctgngtc 420
 catgtttctt catcgntcaa ttcccaccta tgagtgagaa catgcngngg ttgggtttctt 480
 ggccctgggt cagnttgcac anaatgangg tt 512

<210> 10283

<211> 558

<212> DNA

<213> Homo sapiens

<400> 10283

attnaaatac atttatttga accggcctgg gggaggcttg atgttgatgg gttggtgatt 60
 aaagcctccc aaagccaatc ctggcatgg ccttggac tcaaaacaca ggatctgact 120
 ggtggcaca ataccatctt gaacgcccac aaaaaggittt gttttgttg ccaaaggca 180
 ggtggctcca ggcaggcgtg atggtggcag ggtgggtga ggacaggaca agagatctgg 240
 gtgtggaagg atggccgggt ttctgcagca gcaggaggaa agggtgggag cacacaggca 300
 cagaacactg tgacgaggac tgccaggcca gtgtcacaag cgctaccatc tgggtgtaga 360
 cagacctgag ctgacaaagc tggggagca aggccaacgg cttaaacac aagctcaggg 420
 gcttgggtt tatcccgagg gcacaggca nccatgtagg gtggagttgg catgagttaa 480
 gcctggctg ggtgttana ctggacaaaa gtgggtangg cangcagtga ccancattgt 540
 tgcaanaaaac ttnttggc 558

<210> 10284

<211> 556

<212> DNA

<213> Homo sapiens

<400> 10284

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tatctttgtt	ttatctgcat	tcctgccttt	catgaaaagtc	cctcttgattt	gtgctgaggc	120
tgtggctcag	cgaagacact	gaataaatac	gatagccact	gttgcttgtt	gcttgtccaa	180
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ccgggcagaa	tctgggaaag	aaggcctgcca	ttcgctttc	tttcccacac	caccgaaccc	300
actgcccttc	ccacccccac	agccctttta	tgaaatcaga	caacgtggta	ggtggaaaaac	360
agcagggcct	ttcctctggg	tttcaacca	gaagtgatat	tccacaagtt	ttaactgggt	420
actgngaagt	ccaagcggcc	agaattngna	aaatgtcaact	ggaacactgn	agccgnggac	480
cttaaagacc	gtaggcctt	taaaatttgg	taaaaatttt	gggagggctn	ttacaagngg	540
naattttttt	tttttt					556

<210> 10285

<211> 551

<212> DNA

<213> Homo sapiens

<400> 10285

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gaggagtggtt	cgacagggag	ggaaaggatc	acacacacaa	acctaagagt	agagcaatgc	180
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agcaggagga	cagaatgcct	cattgtctga	aggagagcgt	gttgtttctc	atctccatcc	300
ccagagccct	ctctttcagg	caggcagaaa	caaagccctt	gcacccact	gcactgcgca	360
acacagcaga	gacgctggtg	gccaaggccc	tggaggcagg	gagctgctac	caaaggagaa	420
aaaaaggattt	ccaaaaagaa	aggagccac	tctaaccctg	cggaaaagat	ggncacatgt	480
ctgctttata	acccgaagaa	gacagtacca	gccccggaca	ggcttccaa	aataaangnc	540
cctgggcttg	t					551

<210> 10286

<211> 539

<212> DNA

<213> Homo sapiens

<400> 10286

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 caacatcccc ctcaggctca ggcgatcctc ccacctcagc ctcccaagta gctgggacta 120
 cagatgggtg ccaccaccaat gcccgcctgg ctagttttt tttttttt tttganacgg 180
 agtctcgctc tgtccccag gctggagtgc agnggtgtga tctcggctca ctgtaagctc 240
 cacctcccaa gttcacgcca ttcttctgcc tcagcctccc gagtagctgg gactacaggc 300
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 gttagccggg atggctcaa tctcctgacc tcgagatccg cccgcctngg cctccaaaag 420
 tgctgggatt acaggcgtga gccaccggcc agncctgnct ggctagttt tggaaatttt 480
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<210> 10287

<211> 548

<212> DNA

<213> Homo sapiens

<400> 10287

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 aatgattgct gaaatgtcaa aatgttaagat tgaatgaggc tatataaaca ttttagtata 120
 ttttgtctta ctgaaattga taaaaaaaaaa aaactggcaa tgtaactaaa tgcgttaacta 180
 attacttcaa ataaaaagat tacttggaaat tcaaattaag aaaaatccat ttaaatatat 240
 ttgtgggtga taatctccat ctgcattccat ttatataaaa cttaaaatgc caaaaaataa 300
 agaccaaatat taatctcttt atttctgaat gagatgaaat cactgacatg tttgatgctt 360

ccactattag aatataccct taaaacacga aaagaacaac tgcaggagct ttaacatcca 420
 ttatcatggg tgaacatctt tggtacttct aaagnatca cacctattg ggaggtaaaa 480
 aacctgaaat taaaagcttg naccaaattgc tgggttaaa aaggcaattt aattctgcat 540
 tctggaan 548

<210> 10288

<211> 554

<212> DNA

<213> Homo sapiens

<400> 10288

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 caggatctca gcgttaattc aaaagtctgg catgtcacag attccgatga tctatccaca 120
 catacatcac caccagcaaa cttctcgta aagtcaact gctccaaata catccttgca 180
 aagttaatgg caagcagtgg atcatgaaca tcattccagtt caagatggct ttcagcaatg 240
 gactgcacatc tcatcaggtt ctccctgggt gcctgttgct cagtaagaac ctgtggagtg 300
 gaatcttctc catgtcgaag acgggactgt acagattcca gaaagagagt gtataaactt 360
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 ttcagcagct gcatcgactt gccagccatt atgatctggc ttcaggacag gtttgaagga 480
 aggacaccat ggnngtgctgn ctgctggang gccctggcac tggcggaaact tgcactaccg 540
 tatnactcat tttt 554

<210> 10289

<211> 565

<212> DNA

<213> Homo sapiens

<400> 10289

agggtgcaaac ctggtttatt acgttctttg gttaaatatt gtttctacat cctttcagag 60

cattaggaga acaaagataa tattttagatag aaagactgaa aacacatcct ttgctttca 120
 gagaaaagac tgaatttaca ctggtaactgt tagaaattct tataattagg ctagacgtat 180
 aagaagttag ggctttgct gttgcttcta tgtttgaaa aatacattcc cctgggctag 240
 ccaacatcac tgtcctgaga cccagacctt caggagtctc ttgataaagg ctgctccgca 300
 catggtcaga aaagtccgggt cagctcatca tgtcgagact gcatggitca gtgttgccat 360
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 ctctggtctt gacggacagg ttctggtcca ctcccttcatt aaggttcttg aagcaactggg 480
 ccaaggacct cctgcttggg gaagggctgg ctggttatna acttggtnnt aagttactgg 540
 aaaacctnn natggncncg gataa 565

<210> 10290

<211> 512

<212> DNA

<213> Homo sapiens

<400> 10290

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 atttacacag tcaagataca gtgttagaaa cacaaaagtg ttgagaaaaa aacttctcaa 180
 aatttagttcc agacttcagg aaaatgattt ccacatggta aggccagagt ctccagtg 240
 ggtcatccag aagcagctt gtagactc ctttgcga agctgcgggt tcagaggtgc 300
 tcagaacaac aggtggattt agaaaagtgg gattctggtg ttgggtgaat ccagggctgc 360
 tggggcaccg ccagacaccc gaggctcagc tcctgccagg acggcccagc gtgctccaaa 420
 ctaagccttc ctggctggt cgnccctcaga ataaatcaca tttcttgggg ancnagaagg 480
 tcncctaagn nccttgcctt tggcattcca na 512

<210> 10291

<211> 585

<212> DNA

<213> Homo sapiens

<400> 10291

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gtggggctgg gaaaagagtc aaaaccatga atcttgaata ttcttcctgg gaaaaactca	120
naacgccagg tggcgctct gcagacagct gtgtcccgat gcccccatttc tgggccctgc	180
cggaaggctg acactatgga gcttgtgctc cgtgatgccc agggcttctg tgaatggcta	240
aactgcattt tgtaattctc ttttaaaga gcttgcctct ttctggagct tccaccctct	300
tccttcatcc ctataaaaac agatctattt ttggcaggta catacactga gccagattct	360
cacactgcaa ggagggcaggg gagtgcaggg gaagcaacct ggggaagggg aaagagtgca	420
gggaggagac gactngccct tgactgnacc ncaagttgaa ctggngcta ctggaaagtc	480
aagccttncg agtgaaccct tgaaaccatt catngggct taaggttccc atggcnntc	540
aactatccng ggcttaaggg tgacctttg ggggttttg gaaaa	585

<210> 10292

<211> 459

<212> DNA

<213> Homo sapiens

<400> 10292

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gggagggaga gggagtacag tgatgtcaag agcacaggc tcctggcctt canaccagtc	120
ctcagctaca ttgctgcagg caaggccggc accagcccc aggctgagtc atggtaaag	180
gccaaagagct gaaacaagag tttctcatgc accaggcaca ttataaagc aacccatcca	240
cctggagccc aaaactgggt tgacagattc cagagaggca aggtccttga tgaccccata	300
actccccactg ccccttaac aaggactct taacaccta tgataaccca aatcctaaac	360
actgttgcct ctggccctc ttccagacac agaaggcatg atcctgctga acactggcc	420
cgagggact gnggntgaaa ncccnngncc cantgnca	459

<210> 10293

<211> 560

<212> DNA

<213> Homo sapiens

<400> 10293

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tgcgatctca gctcaactgca acctccacct	cctgtattca agtgattctt cagcctcagc	120
ctcccaagta gctgggatta caggcatgcg	ccactacacc cggctaattt ttgtatTTT	180
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tccacctgcc tcagcctccc aaagtgcgtt	gattacaggt gtgagccacc gcgcctggca	300
atacttacat tttttttct gaaaagttag	tgtgagaaga caaagcaatc ctacactaaa	360
tttattacgg aaaatgttcc ttccctggtag	tttnaagtga tcacataagt cagcttatgt	420
taatngctct actatacgat atgagatant	ccagagatcc cacttaagg aagacacacgc	480
cttggggct ggccaggntt actggagctn	ggacctgaaa ttccctggtn naacctttac	540
tttnagnntt tgaataccan		560

<210> 10294

<211> 571

<212> DNA

<213> Homo sapiens

<400> 10294

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aacttccacc tcatgggttc aagcaattct	cctgcctcag cctcccaagt aggtgagatt	120
acaggcactt gtcaccatcc ccagctaatt	tttgtatTTT tagtagagaa ggggtttcac	180
catgctggcc aggctggtct tgaactcctg	acctaagtg atccaccccc ctcagcctcc	240
caaagtgcgtg ggattacagg ctgagccac	cacgccccgc tcccatagct gcttttgta	300
gtttctggg gatatcaggg gcagactggg	tcataaaatg tcctccaaa aggggtttgt	360

cttccttgc aggccggatc agtgatatta tactccgat tgcttcaact aaatgccctt 420
 gaaacaaacc tggattctta tctttatcct gagaatctt cctnacctgg tcataagatac 480
 angcntttc aaacaattct tnatccntc aacgaacaag ggccctttga acctttctc 540
 ccaaggccta ntgggcctt ggaaaatccc c 571

<210> 10295

<211> 500

<212> DNA

<213> Homo sapiens

<400> 10295

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 acttgttccc cccattcctc acagaaggca caaatacatt atttcttcc atgtgaggag 180
 atgcgaggag aggatacaga atacaggaat cctaaaaat aaaaaaaaaacc cctccaaact 240
 gaatacctaa gtttatggaa aaggcttaggg tgggcacag aagtcaatgg gggAACAGAA 300
 agaggaacca atgaaactga gaacccaaag ggacctgaga ggccatgatg tccatgctgc 360
 tgcctctgtg cagaccccg agaaaaactca ggtaaaccaa cgaaaaactcc aaataagaaa 420
 gggtaggggn gccccaaagaa ttggctttgg ggcatcagac caaggantgt gaatgttaatt 480
 gnnngtgcanggctgggt 500

<210> 10296

<211> 567

<212> DNA

<213> Homo sapiens

<400> 10296

aatacaaact tactggtgct taaaactcag agcttaggaa acacagccta ggtaaagacc 60
 aatcttcttg ctgcataattt cacagtattt aattcttct tggtgagttc tccatacaag 120

ttatgaagca ggataaaaagt cagtcttata ttaagtcatt gtaaaatacgg ccttaatttc 180
 aatcaccaaa gaaatgtatt ttgttgtat accatggtg cagcatgtt tattaaaact 240
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 agtcattact tttataggac tagcctgtgt cataatgtgtg atcaatattg gttaatgca 360
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 ccatagatgg ctgccagtct caatgtcact ttggcccatt tatctttata aatcatacca 480
 tatacgctcg atatttccat ccnttnaact ggagggccgg ccccggggnt tacgcctgga 540
 atcccagccc ttttgaggc cgaggcg 567

<210> 10297

<211> 515

<212> DNA

<213> Homo sapiens

<400> 10297

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 acagccaggg aaggaggana gctgctgagg gccacgcgaa tgagctntgg ccagggagcc 120
 accaagagtc agttaggat gcacctcgga atcatgccac taagggcatg gaggctggag 180
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 gaactgtcct ccagtagacc aacggaaaag tgtgctggac ataaacaaca ccacactgac 420
 caaaggccca naaganctnt ggaacttgca accaggcgct taaaactngc acaaggtgaa 480
 agnctcagga nttaaagtcc aaaatttgat gggna 515

<210> 10298

<211> 581

<212> DNA

<213> Homo sapiens

<400> 10298

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 caaactccaa ttcccagggtt cacaccattc tcctgcctca gcctcccaag tagctgggac 120
 tacaggtgcc tgccaccaca cccagctaatttttgtatt ttagtagat atggagtttc 180
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 caaagtgcgt ggattacagg catgagccac cgacccgac gaggtctgtat ggtttataa 300
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 gaactngaa gtcaattaaa cctccctt ttataaggta cctagtcctc gggcagtctt 480
 tacagcagta tgaacctgga ttaatatcct agtaatcaat ctttnccaa gcatggaaag 540
 nctacctgca caatttctt nnagnncnctt taactcttgg c 581

<210> 10299

<211> 578

<212> DNA

<213> Homo sapiens

<400> 10299

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 tttttctat aggactcatg actccaggaa aatacacaaa tccctttta gaaaaatctg 180
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 aaagcatatt ggtaagaagg gcatctacag cgaagcttgc attgagacag ttacaattgc 480
 acactcattt taaaaacaaa ctggccaagn aattnnngct ggcgttaac cctggaaaga 540
 ngngaacagc tggagttgtt ttccccccaa nccatggg 578

<210> 10300

<211> 463

<212> DNA

<213> Homo sapiens

<400> 10300

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ggcagcagca ggagtgagag gggccccctt gtcctgcccc tttgcaaggg ttcaaggctg	180
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gagagtggct acgttagagag tgagagcgag attcctaaaa agatgcacag agagaccctc	300
agagaggcca agaaagatgg tgaaaaggtt aggaaagaaa aggaaggaag aaaagaaaaaa	360
aaagaaaaga gaaaccnnag ggaaatgggt tgcaactggct taagaatggn ngaaggancc	420
gnccaattcc ttccctaagg ctatngaatc aataccgggg gaa	463

<210> 10301

<211> 517

<212> DNA

<213> Homo sapiens

<400> 10301

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tattttatt tatttatttt ttttgagat ggagtctcac tctgtcgtgc aggccggtat	180
gcagtgggtgc aatctcggtc cactgcagcc tcaacttcct gttccagtg atcctccac	240
ctcagcctcc caagcagctg gaaccacagg agggtaaacac cacaaccagc tgattttgt	300
attctaggtt gaggtggggc ctcactacgt tccccaggct ggtcttgaac tcctgaactc	360
aagtgtatcca cctgccttgg cctcccaaag tgctggatt acccgctga gccactgcgg	420

ccagccagtt gggcaagtgt tttcttttt ttctttntc tttnnntttt ttttggaaan 480
 ggagnctcac ttgttgnc aagcntgaat gcatggc 517

<210> 10302

<211> 596

<212> DNA

<213> Homo sapiens

<400> 10302

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 ctccctggct caaatgatcc tcctaccttg gcttccaaa gtgctggat taaaggat 180
 agccactgca cccgccaatt ttaataagc attattttaa gtaagcaaac actctctaca 240
 gcatagaaat tgcttatttg ttcttaggcat tggcaagaa gtggatcct gtttgtggct 300
 cccagagtct ctgaggtaga aaccactaga gatgaagaaa tcgaggcaga cagatgaagt 360
 aacttggctg agtgaccagg caggcaagag gcagacctgg gttcaaaacc cagccagcag 420
 gactccagag aatggggctc acaagccgct ttgcataacc gctttggac tacctggca 480
 gctgaaatgc aaatcttaag gcccacctgg ttaagcacac tttcaaggc ctgaaactgg 540
 aaangaccca ncagggccct taagagcagc cgattaacca cccntggtgg tggac 596

<210> 10303

<211> 553

<212> DNA

<213> Homo sapiens

<400> 10303

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 gatgggtcct ctgggttagct gatacagaca tggagttcaa agagcaagag atgactaagc 180

gtgactcctg ggaaaaataa aagtggtag aaggcaggctc aggtatggaa aaccccttctgg 240
 ccactgtgga ggtctgacag cttagaccac attgcaggc acaggcagta tcggccaaact 300
 ccacagggag ttcttagggtg tggagcctca tggggctg aatcagccat gccctgtgcc 360
 tttctgtgcc cacgtattgg ctggggactg cagagaaaga ccatggcctt aacttgaaag 420
 ccaaggccga ccttaaatga actaccagat gcaggttggc aatggtagct acctgcactc 480
 attgntgggg aananaaaagt cttctntaag ggaaatctga aagctttgg cctggcctt 540
 catgnaactn tng 553

<210> 10304

<211> 560

<212> DNA

<213> Homo sapiens

<400> 10304

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 aaaatcatct cagaaaatat actacattta ttaaaaattcc tacaaaccat tgcaaaaaat 120
 attaaaccct ctaaccaacc taacactcg tttcagagggc acttgtgatg attttcacag 180
 cttccatagt tgcaaagaac aaagaaaatca tcttccaaca ggggtggaat tagataagaa 240
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 tacctaggat acctaattat tcaagggttt cctaatttag tagactttt cattgcctac 360
 aatctacaat attcagcaaa gtattaagga aaatgaaccc aagaacctta acccctcaaa 420
 taggtttatg gatataactaa actggcaagt acaatctta tcttaagact tgagaacggg 480
 atgcaggaaa acaaactttg gnggaatctg gaataaggnc ttaagctggg caaacttaggn 540
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<210> 10305

<211> 568

<212> DNA

<213> Homo sapiens

<400> 10305

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 caagcgattc tc当地gcctca gtctcccaag tagctggac tacagccatg ngccaccaca 180
 cccaattaat ttttgggtt tt当地naga cggggcttca ccatgttggc caggatggtc 240
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 ct当地gcccacc gngccagcc aacacattc ttatacaaca tggttttag tt当地ttacc 360
 tacaaccaac tccagctggt ttaatgnpta gcttacagaa ttgaacccac tttttcaga 420
 ct当地ggctacc ttttctacaa gggaaaaaaag gc当地tttaca agacacagaa gcccctaagt 480
 ttgaaatct ct当地ncaaaaa aggggganaa naaagacttt tt当地aggnc ccaaagggg 540
 actatgggaa aaggattaac ccccccaa 568

<210> 10306

<211> 569

<212> DNA

<213> Homo sapiens

<400> 10306

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 ggccctcaact gagcttccag taatgttccg tggaagctgt gt当地actttag gt当地gacact 180
 cgggctgccc cagagatctg gaacaagtcc ct当地ctcacag cgacagcatg atgcaggca 240
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 accaggttat atctaaatgg cc当地tccccca aaagttttaa agtggtaaaa ct当地gtaagg 360
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 tc当地ggaaatg gc当地atttca cc当地taaaag ggcccttctg ct当地ttgntg ggaactttt 540
 cc当地cttggc ccttcttcttc tt当地nancc 569

<210> 10307

<211> 553

<212> DNA

<213> Homo sapiens

<400> 10307

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atgggcattt ctcttggca tccatttagt atttgcagg atattggcct ctgtcaaata	180
tttttaaaa atcaacctag tttctattaa acaaaactaa aagtgattct atggagagtg	240
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ctgcggtttgc tgctaattaa gacagagagg gctgggattt tataaatccc aagagtctta	360
tctgaacagt ctgcatataa aagttgnittt ttagcctggg gaagggtatc catgaagccg	420
gggacttnng gcattctggc cttgctggc aagtaccagn catntttcca acggnatctt	480
catgctccat aggttanga gctggcaagg atctggnaac aggcttggca agtttgctgc	540
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<210> 10308

<211> 538

<212> DNA

<213> Homo sapiens

<400> 10308

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agcccanacg ctgcctntgg gaaggaagcc tgaggccana gttgctgagc ctntgtggaaa	180
atctggaaat ttggttcccc caagatagac tccacctct ntggaaagat gctgngctcc	240
tgacaggcgt ttgtctccct gggaaaggat ccatgtcttgc ggaaggctct gcatcccagg	300

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 catgtcctgg gaaaggnttc caggtccccca ggcttgnggc caanatcccc agggcgaaaa 480
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<210> 10309

<211> 547

<212> DNA

<213> Homo sapiens

<400> 10309

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 atactggtca ggaaaaacaa atgatgtaaa aatacgtgaa taattttcta ttacagaaat 180
 gaaaaactga tttgcatctt aaagtgcag aggtgaagta atttaaccct ttcaccagac 240
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 agtaaacaat tagcatgctt cgggccagat tttggattct attttaaaat ctgcctgtt 480
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<210> 10310

<211> 568

<212> DNA

<213> Homo sapiens

<400> 10310

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 gactacaggc atgcaccacc acgtccagct aatttttgt acttttgta gagacggggt 180
 ttcaccatgt tgcacaggct ggtctcagac tcctggcctc aagctatccg cctgcttcgg 240
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 taacaagaag tttttgcct tgaaaatgtt tgcaaaaagc gtttcttgat tctgtcaccc 360
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 tccttagccc ttaaaaaatc attaaataat cctctagng gatTTtaac actagcaaga 480
 aaagctaagg gaaatggcaa gaaaggangc gggactttcc angttggcc acgaaatacg 540
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<210> 10311

<211> 531

<212> DNA

<213> Homo sapiens

<400> 10311

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 gcccTTggag gtgccaggca tgtgctaatt tgaggTTTat ctcattgaat cctcacagca 180
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 gagaggtgaa gtgacttgcc cagggtcaca cagccagtaa gtgatgaaac tggTggctg 300
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 ctggatgaca ggggtcgCgc tggTcagagg actggggcc actcccatgg ctgcagatcg 420
 aactctacaa tcaccttcaa aagngcctgg gccttgcta tgcctntggc cacTTctgn 480
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<210> 10312

<211> 571

<212> DNA

<213> Homo sapiens

<400> 10312

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gccatTTGA	taggTTTGG	CTGTGCCCC	ACCCAAATCT	CATCTGACT	TGTGGCTCCC	180
acagttccct	cgtgttgtgg	gagggaccgg	gtgggaggtg	gttgaattgt	aggggggtggg	240
tcttccccat	gctgttctca	tggtgatgaa	tgagtctcag	gagatctgat	gattttgttag	300
gggagagttt	ccctgcatca	gctctttcc	cttgcgtct	accatatgag	acgtgccttt	360
aaccccccac	catgatgtg	aggcctcccc	agcctcatgg	aactgtgagt	ccattaaaca	420
tcttctttt	gtaaattgcc	cantttggg	taccgtctt	atcagcacat	gaaaagggac	480
taatatcatt	tattctgaac	atacttactg	gacattnaat	aggnnggaaa	actctggctg	540
gggnnnnaat	ttgaatgaan	ctaattcttg	c			571

<210> 10313

<211> 567

<212> DNA

<213> Homo sapiens

<400> 10313

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tttgctttc	caaacatgtt	tccaaaagtt	tattttaaa	cacacacata	gtgtcagata	180
caaacgcctt	ttaaccactg	tggtgggaa	gagtaaactg	attgcttcca	atgatcatct	240
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tttacttccc	tgtttgtgt	aatgagtcct	tcgatgagag	taattacgtg	accgaatttt	360
ccataactat	ttgntgatta	ttaaagttt	gcagtggctg	gnnttcctaa	tgggnctta	420
caaccaagca	tttcttctaa	attgggtgng	gcanggtcat	tcacattaaa	tataccggta	480
ttaattancn	tcttcttctc	actactccga	gccttaaaca	ggctgnttaa	ggcgttttct	540

gnncatcaga agatatncccttacact

567

<210> 10314

<211> 561

<212> DNA

<213> Homo sapiens

<400> 10314

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 caacacctgc ctcccgggtt caagccattc tcctgcctca gcctctggag tagctggat 120
 tacagacgtg ccaccacgcc tggctaattt ttgtattatt agtagagatg gggtttcacc 180
 atgttggcca ggctggtctc aaactcctga cctcaggtga tccacccacc tcggcctccc 240
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 gaaatgaagc atttatcttt ttctctctgc ctaacccctc cagaattcaa aaattctttt 360
 tttgangggg tgtggggagt tgggggacgg gagttggtc tgncgcctgg gctggagtac 420
 aatggcacga atcttagcac atnacaacct tcaacttccg aagtcaagtg atctcctggc 480
 tanccctccca agnnctggga atacaggcac ctgccaccac ggntaantnt ttttttttt 540
 tttgcattt ttcaatnaaa a 561

<210> 10315

<211> 568

<212> DNA

<213> Homo sapiens

<400> 10315

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 acacggagaa ccatggaat ggaacaacag acagaacttc aaacaatgag agaaaaaaacg 180
 aacaaaacaa caagagaaaa cacaacagat ctgcaatcca ccaatcgctt tttcagctga 240

atgggggtta ctttaagacc agaagttaaa gtcactgctg ctggtaggct gcctaattcc 300
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 gccattctgt gatggggca cctagtgggg actttctt aagttcaccc attactttta 420
 acagcatagc tccctntccc agtccctgct ggtgggaacg aacacgttta tgagaaccac 480
 gtcttccagt tctttaaga gaacctgggg ctgggtattt acagatatcc gntggtgaaa 540
 nttatcgat tnggttaant ttataacc 568

<210> 10316

<211> 561

<212> DNA

<213> Homo sapiens

<400> 10316

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 acataaggca ctggcaaattt gtgacgttagg ctggatgaa acccattctc ccagagccgg 180
 tctctccac agcacaaagc tgctcctcat gcagccagct ggctgagggc ccggagtgtg 240
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 gacctgagga ctgatctgag ctgcagttagt cacttttac ccagggctg agcttcctgg 360
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 aaggcgcgc ttctgtaccc agcatncant ccctgncagg gccttttagt acccgatcct 480
 ttggtcatct tctcctggtc agcccacccc tggcaaactt ngngatccct ttanatnacc 540
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<210> 10317

<211> 567

<212> DNA

<213> Homo sapiens

<400> 10317

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gattacaggt	gtgagctacc	acgtctggcc	tgggataact	cattgtaaaa	ctggtaaga	180
cctgggacct	tcccagtaga	caatggaca	gagtgattga	caggatgagt	tctggagtagc	240
atggcagaaa	tgtacagaga	agtctcccag	agaaaactaa	ctggctggaa	acagagcctc	300
tcctttttc	tttgagagga	ttagagtgtc	actgtcttgg	atgccataga	tccccagacc	360
caaccagtcc	tgcaggactt	ggccttggaa	ttccagctgc	tgctgctttt	taggaagccc	420
ctgctggctt	caatctgctg	cttcagaccc	aggatgaaac	ttgttggggt	gatggcatan	480
gcgtaacttc	cancattagg	gattcttac	gaaaacctgg	atctcggang	ggatggctcc	540
accnaaanat	ntnaatgtgg	gaaaaaaaaa				567

<210> 10318

<211> 574

<212> DNA

<213> Homo sapiens

<400> 10318

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aaagtactca	tattacaggc	atgagccacc	atgcctgct	gtaaattgtt	ttgaacagag	180
ggtgaaatag	gcttagggag	gaacatactg	agtctgaaat	agaacatcca	ggtggaggat	240
cagccatcag	tgagagctgc	acaaaggtca	tgattagagc	attgactcag	cttagagaag	300
ggagtcagag	ttcagacagc	cacaggcaat	tcctagagta	agtgaagaga	acaattttga	360
aaggcacctg	ctgaagaaaa	gcaatttttc	attcctaaaa	ggcactggcc	gatccttnac	420
attgaacatc	agaaaaagga	cacttctgna	acaaggcttc	tgnngggcca	aagaaaaact	480
ctttcnggt	cctaaaaaat	tttcaaaaac	ccgaccnctt	taatggaaag	cttcatttaa	540
aggcctntt	aaaanaacgt	tccggaantt	ggaa			574

<210> 10319

<211> 465

<212> DNA

<213> Homo sapiens

<400> 10319

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tacttgtacg cgttggcctt gngcttcggc aagaaggcga agctgggggg cactggccca	120
aggagcatct cgctgatgcg gatccagtgc gctgccttct ggctggccat cagcgtctcc	180
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agcagccccca cgggcacgta cgggcacagg aaggacagcc actcgagcag aaagcgccgg	300
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cgcaggatgt ccaggccgct cggacgacga gatgtcccan tgccgntgnt ctttgatctc	420
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<210> 10320

<211> 569

<212> DNA

<213> Homo sapiens

<400> 10320

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atttacaaaa aaagctgcta aaactaataa ggagatttaa cagtattgca ggacacaaaag	120
catttctgtta tcctaacaaa gaataattaa aaactggaat ttaaaaaatt atttaggctg	180
ggcatggtgg ctcacaccta taatcccagc actttggag gctgaggtgg gaggattgcg	240
tgaagccagg agtttgagac cagcctgggc aacaaagcga gaccctgtcc acacaaaaaa	300
caaacaaaagc caggcatggt gggtatgtgc ctgtaatccc agctacttgg aaagctgagg	360
caggagccca ggaaagctga gacttgaaaa gctaagacct tgagcccagg aattcaaggc	420
ttgcagttag ctatgagcat gccactgnac tctanaatga gtggccgaaa aaataaacct	480

ctatccctga ggttactatg atgcatacnt gactggnttt gggaaaaact ttaacccttt 540
 ttcccnnnggt ttatcctacc taacaccan 569

<210> 10321

<211> 569

<212> DNA

<213> Homo sapiens

<400> 10321

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 gtttatcaca ttccccact cctaataccc acaaaaacaag aatttcaactc catgacacag 180
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 gctactgnca ctccccagccc atccccatt aaatagnggg gaagggtaat agngtagtaa 480
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 naaccctggc nggaaataan aagcctgga 569

<210> 10322

<211> 559

<212> DNA

<213> Homo sapiens

<400> 10322

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 gcaggggctt ccctagcttc atatccccca ggccctgcg cctctggaat gtaccaacaa 120
 ggggcaggggg tttcaggggg ctcagcctct tcatggggca ggcctcagcc ctgggtttgt 180

cacagtctgg ccttgaattt gcctttggcc ttgacaccttc gacaggtgct aggaattgtt	240
ccgacttcaa agggcagaga caacaaggca ctccagctg ggggcctcgg aggcacagga	300
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tgggagggaa aatgaagacc ttaaccgtg ggtaaaagcc ttaaaggcgt tgccgttgaa	420
ccacagggcc ttaatgccac caacttggtt ggcttgccnc tgaagacctg gcccttgggg	480
tcgaatcatg ggganaagg cacttggncc ttggntggaa gcttgggaaa tggnacggct	540
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<210> 10323

<211> 565

<212> DNA

<213> Homo sapiens

<400> 10323

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aatgtgccct ggccaacagc cagcaagaaa acagggacct cagtcctaca gccaaaagga	180
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aagaaataca cagggctga caccctgatt ccagccctgt gctgtttgt atctgtttcc	300
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gtgttgttcc atgctgctaa gctagtggta gtctattaca gagcaatccc aaaccatccc	420
caccccacaa actggccaag taagagatct tcttngact taataaacat accttaatat	480
atgcttatcc tgattaacat aaattccata tatatatata tatgaatgac agcttnaaaa	540
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<210> 10324

<211> 474

<212> DNA

<213> Homo sapiens

<400> 10324

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 actgtgaat gagaatgcct taatcatcac ccacacagac gagcgaaagc tacagacaga 180
 gaaccactac ggatggtgcc tggAACAGAG gtgagaatgg cccaaaactc tgccTCCGGG 240
 aaagggtgcc a gtttacagg acttatcggt gtgcctcac cagaccctc ctnccntc 300
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 gaggccggct cggtaactt ctgctgcctg agacagtac acgtgcttgg gaccttnac 420
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<210> 10325

<211> 545

<212> DNA

<213> Homo sapiens

<400> 10325

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 ctttggaaat attaattctg acttcctata attcccttct atctactcat gcaataacaat 180
 tatattttct aatataactta aaaatttagaa aattataatc agagtcacaa tgtttctacc 240
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 caaaaagcta atacaaatga tcaacaactt gtatatatat tttacttagaa gtgtactcta 360
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 aatatttaaa aaagcngaaa ggacctatat nggatgattt aaaaatctcat tatcctactt 480
 cttgaagagc taaaaaaaaa ncaacccaaac ncntacccca caagtttttta acatttatcc 540
 acngt 545

<210> 10326

<211> 442

<212> DNA

<213> Homo sapiens

<400> 10326

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gatgctacag	ggctcagaga	ggggccgggg	caatctacac	tacagaagta	aaagcaacgt	180
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agtacgtaag	gggcataaaaa	tagactcagg	aactcggggc	taaatcatcc	aaaaatggag	300
ccaaggctct	aactagaaac	tgtctctgtc	gtccctgttg	gcctcaaaac	cccgaggtaa	360
aaggctggtc	tcggntcctc	ccaggcccc	tggntccan	nacagtccc	cgtcctntgn	420
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<210> 10327

<211> 580

<212> DNA

<213> Homo sapiens

<400> 10327

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cgctgccttg	gggacttgcc	ggccgggacc	accacaaagg	gtcctgcgaa	ggctgcagcc	420
cgccgtgcac	tacctctggc	ctcgctgcca	ggtccagcac	ggntgcgcc	gccgcatacat	480
gggaacccccc	cgcgcccc	tggctggta	ngatgatccg	ttggncnanc	tggcaaaatg	540

tggnaccac cttgacatgg gacgtgggg nctttgccn 580

<210> 10328

<211> 432

<212> DNA

<213> Homo sapiens

<400> 10328

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 cacaggcgtg caccaccatg cccggctaac ctttgcactt ctagtggaga cgggggtttc 180
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 actagcattt gaagaaatcc ctgcttctta ctgcctgccc ctcaaaacaa caaaaggggc 360
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<210> 10329

<211> 543

<212> DNA

<213> Homo sapiens

<400> 10329

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 tctggtgagg gagagacnca nactntanac agatattcc aaatagcagg taangngctat 180
 aaacaaaggaa acacagggtt atggataga gtgacagggg gtggatgag ttgctat 240
 anatgaagng gtccaggagg gcttccctga ggaggnggca tctggctgtga gggctagaga 300
 atgtgaaagc agctgtcacc tganagctgg agaaagaaca ttccaggaggg agggagcatc 360

aagaccaaaa gccctgaggc aaaaacaagc ttgcacatgtt ccaggaacag taaaaggaca 420
 tccattgacc taatctcaaa agcttntgn ccaaagacaa gcaaaggggta cccagttccc 480
 ttggggggtt ccaaangctc tgtgcctgac cccanaggca nangntcctt ttttcaggct 540
 ggc 543

<210> 10330

<211> 586

<212> DNA

<213> Homo sapiens

<400> 10330

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 ctacaggcat gcgccaccat gcccagctaa ttcttgcat ttttagtagag acagggtttc 180
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 taaggtgttg ggattacagg catgagccac tgcgcctggc gagaaccacg actttttaaa 300
 ggaaaccttt tctcatgtct ttattattca tttgtttga aaatatcatc aagattaagg 360
 atcagctaag aaacagaata atttacatct tacatttcat aattttatct atttttgctt 420
 ataggggaga cttgagatta aacgactccc attggatcat ttttacaaat attttggttt 480
 caagaaaagc atgtccattt tgangcttcc atgnggnaat tcttgagaag cctaaggatc 540
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<210> 10331

<211> 544

<212> DNA

<213> Homo sapiens

<400> 10331

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aatcaactga ccaccctgaa cattcacgc agtcagggaa caggtgagga aagaaataaa 120
 taagtgattc taatgctgcc taggtcaccc tcaacccca tttactggca caattgggtg 180
 gagagaaggg aagggttatg attgtcctga tggctcaggg ttgcaggagg ttcagagggg 240
 aaggaggaaa ggccaggctg gaggctggc tgtagact tccctnccac agtcaaacg 300
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 gctagctgca tggcccata gctcantggc cccatgtagg ccantgagcg gnacactcgc 480
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 aanc 544

<210> 10332

<211> 547

<212> DNA

<213> Homo sapiens

<400> 10332

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 tatgctactg gccccgagggc aggcgagggt aggaagaacc gggtgtccgg cctttagagc 180
 gctcccagcg aacacagtcc cgagtcctgc ggggtgggg cccctgcccag ctgccaggcc 240
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 gctcctttag gggccctca ggaggtggca gttcctgggt gtcacggta cctttagggg 360
 cgtggcactc ccctccctt gggtgccctcc gttcgggctg tcgccaggaa cctcgactgg 420
 gcttgggggg atctagcata gctttctggg tttcgccaa cctttgctga tttgacctgg 480
 tccctggaat cttctnaata tgtgctggtc gcacagcnna agaagtggca aatggattgg 540
 ccgccttg 547

<210> 10333

<211> 548

<212> DNA

<213> Homo sapiens

<400> 10333

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gctctgctgg cccagttccc agccgatccc ctgagtcttg gcgcggcgttt agtcaccctt 180
cagctgcttg ggagggcagga agagacttcc cctcttcacg aggttaaggga gacaaaagca 240
gccatttgga tgccagggcc acaggggcaa gccatgcctt atttcttgg agggacagaa 300
tcacttcttc ccaaggccag acactgttagc ccatggtaact cagccttcta gaggagggta 360
gcctaacaga ggagaagccc tgagtggaag cagcattttg aaggcatcgg cattcttaga 420
ccagcttaaa actgagggca ttctctatct ttggcagcag acagtgagac ttcaggattt 480
aaattaaaag cccgnggngc atcctttctt gcattacttt ccacaaaacc ttggaggagt 540
caaatcccc 548

<210> 10334

<211> 544

<212> DNA

<213> Homo sapiens

<400> 10334

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tatgtaccca aataaaatga atgtcagaaa taaaaatact gtcaccaaaga agcacccctt 120
attggaagat gtattgaaga agtcttatta cactgaaatt ttatggcaca gatcataaaa 180
tcagagtctc ttcacacata ataacaattc atccatttg aaatgagtaa ctctccctt 240
gtagtgtgc tagtataaaa aaaggtacaa gttcaaaata tgctggcaac atacaaaagt 300
ggccaatagt ttgggtcttt gagagtacac cctgcagttt aacaaagact ggcttgaat 360
cttccactca aaagcacact tctttccaa aaagatgact gcccaactga tgccatcccc 420
gagagcagat atcccaacca ccaacttcaa atggctgaac aaagaaaaact acccaattac 480

ttaaagatg gggaaagcaaa atcaatggcn anggtttaa aatcntagga atttaaaat 540
 caat 544

<210> 10335

<211> 550

<212> DNA

<213> Homo sapiens

<400> 10335

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 ggagtgcaat gacgtgatct tggctcaactg caacctccgc ctcccagggtt caatcaattc 120
 tcctgcctca gcctcccaag tagctggat tataggcgcc cgccaccacg cccagctagt 180
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 ctacatcaag acccactaaa gtcagtggga ttctagagag cttaagtgt cctacgtaaa 480
 ggtaccaaaa atcaccgnga tgacccaaa tgtaactatc caaaagggga gacaggaagg 540
 ggtntaagct 550

<210> 10336

<211> 563

<212> DNA

<213> Homo sapiens

<400> 10336

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 aaagccagcc ctgaccagca ggcttagttg tcctgagaag agccagttag gcccacctgg 180

ccagttcacc aggtttccca gggaaagcaca ggcatctctg ggtccccgag cacagtgc当地	240
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tgcaggttca tcccgcagga tggtaaggac acgtgcctt ccctcgaga gcaggctgtg	360
cacagcccg cacagggcca gccagggcgg ccccttgcgc tgtcagcgct taccanggg	420
aggagttcaa ccatcaggac cttttccaag tggatctnt tggtccagca caagccactt	480
gcactttgan ggcccgccag ggtcttgaac ttctgggtgc ttgagtagac aaccactggg	540
ggctcatcan gctccgntnt acc	563

<210> 10337

<211> 556

<212> DNA

<213> Homo sapiens

<400> 10337

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gctggcatgt gcagagacca aatgacaaga aagagagagg gaagggagct tacaggtttt	180
tgttttga a gcaaaaaca aaaaacaaac aaacaaaaac ccaaccaaac aatagtactc	240
cttccactnt atgctaacgg aagacttnn acaccagcca gttaaacaat gaaattntta	300
aacacncagc ctgctgggc tgcatgcaga gctaaaatgc aggtgtgctg acttcttgaa	360
gctggagcag aggaaaacat naaaaagcat atctgaaatc tatcacagct ttctttctta	420
agcaaataaa aatgcaaatt aggtttcata acccccattt caatttatca aacttttct	480
ggaagaaatt tcatttaatt atggattncc ttaccaggaa ataaaacntt ttacaaacc	540
cttttnangg ntncg	556

<210> 10338

<211> 555

<212> DNA

<213> Homo sapiens

<400> 10338

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 agccccaaGT ctcggcacAC aaggTTgaga ataaaACACC ttcaggagTC aagatctttt 480
 aacctttgtA gaaaaaaaaATG ntcccaaAt gctggggccg acactaattc cagngttggg 540
 ccctactggc aacat 555

<210> 10339

<211> 487

<212> DNA

<213> Homo sapiens

<400> 10339

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 cgtgacacag gctntggtcc ttgggcgtcc tgctggccaa ggagatctta agcttgcgA 180
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 gcatnaccca gaaaggcgag atcttggact cggggcTgg gttGCCAAA tagtaaaggG 420
 gagcananca gggccaaggc anggcttgga aaccattgn tgnaccctg aaancncaac 480
 ttggtaa 487

<210> 10340

<211> 560

<212> DNA

<213> Homo sapiens

<400> 10340

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 agactatcag catctgtgga ggttagctcc taaaggtccc aaagaacagg aaacatgcag 180
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 actatcacca tatcaacnng gaaaccaggg ccatgccanc cagggaggac tgncttanct 540
 gccattangg aagttgnccc 560

<210> 10341

<211> 558

<212> DNA

<213> Homo sapiens

<400> 10341

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 agtttgcata tgcacaatct ggataccaa atccctctat aattccaaa gacaaagaca 180
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ttgcaaaagt tactgaagag gaaaaaaaaag cacaacggag gcttcttgcc catttacact 420
 tgcaatgtta gatTTTgaaa acagggccct tcatagtcag cacccaaGtc ctggactttc 480
 agatgtaatg cangctggnt aacaaggcct taatactaca ttggaatttc naacgacttc 540
 ctggacagtt ttttaan 558

<210> 10342

<211> 528

<212> DNA

<213> Homo sapiens

<400> 10342

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 cacagatgtt tcttcttctt ctgcccactt ttcttcttcc tcttcttcaa cttaacttt 420
 aatcttggct ttttnnggct ttctttcaa gtaatttcat ccctcttata ctaccnggtn 480
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<210> 10343

<211> 555

<212> DNA

<213> Homo sapiens

<400> 10343

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aggatcicct atggagtgtg taggtgtcca cgagtgtacc ggtgtgcggg cctcctggc	180
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cccacctgcc caggctcagg agtcacaggg gtctgcacag tccttctgc tgtggaacac	300
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ccttacgttag gagaacacgc caagacacag caccacgac agcacccacg aaggaccacc	480
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nccccacaan aaaac	555

<210> 10344

<211> 560

<212> DNA

<213> Homo sapiens

<400> 10344

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tacaggcacc tgccaccacg cctggctaattttttagttagaga tgaggttca	180
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gctggtccaa gctttgaatg cnagtggctt gcgggcagcg cactggatta tctttcccga	480
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<210> 10345

<211> 556

<212> DNA

<213> Homo sapiens

<400> 10345

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gctatgttcc actttgggaa aaacagtacc aganagagga gatagttcct gggctctaaa	480
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<210> 10346

<211> 543

<212> DNA

<213> Homo sapiens

<400> 10346

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caagcagttc gtattttagt cagtggtcag atggggcagt tgcgctcagc tgcagtcct	180
gactccggaa acactgtgcc tctcaaata tctagagctc atccttggcg tacatgaggg	240
gcagttttg ttctagtacc cattagccc atggctttc aagccaattc acactgggaa	300
aaacacaccc tcacaagatg cctatccatt tgagttcata caggttttag tagctagaac	360
taaaaaacat tttaaaatt atctaaacaa attggaccaa aagaaaactt gccatactta	420
aacngnatat atggccctt tttggctga aagatcaagn ttgggctntt ngaccttacc	480
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cat

543

<210> 10347

<211> 511

<212> DNA

<213> Homo sapiens

<400> 10347

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 gacttgcagt gggaaagctg tgcccctgaa ttgctngat agaacttgcg gcanatccgg 420
 agatatagcc catnacgggc ccaggaagtc ncaccatatg cngaattggg gcttganggc 480
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<210> 10348

<211> 428

<212> DNA

<213> Homo sapiens

<400> 10348

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 gagctttcag gnacacatta aagaataaaa ngaagttaan cngctggagt ataggatagt 180
 atnnngantt caagatcacc caaagctgca ctaccgtccc aaagctgacc aagtagaata 240
 aaaagaanag gaaaanaaag nacaacccat gcgcaaagat agacatttgc ttgatctgct 300

ggctcagggc caaatgttta atttgcttct ccaaagnchn tcatcttcaa aagcngattc 360
 tggaaaactg atgccnctag nctaaaagcc cactggccat gggaggggca tnaattccn 420
 cttggcca 428

<210> 10349

<211> 546

<212> DNA

<213> Homo sapiens

<400> 10349

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 acattctgtg ttgtactgta ttgtgttca ataggaatta gcttctgtca tttgctaaaa 180
 gaatgagtag tggggAACAG gatatgttgg aaatttcata acggtaaca gaaccattct 240
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 agctatgtag ccaggagcag ctgtcgcccc aacaaaagct ccccttgta gaagttcctc 360
 ttcctctggc ccgaacagct tgggactgct gcagacacag ctggattcac aacggccctt 420
 gcctganggg ataatcttcc tttcctaatt aatttgcccc atnnggncc anaaaacagg 480
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 cctttg 546

<210> 10350

<211> 551

<212> DNA

<213> Homo sapiens

<400> 10350

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actataaggca tgcaccatca tgcccagcta attttgtat tttagtagag acagggttc	180
accatattgg ccaggatggc ctcgatctt tgacctatga tccacctgcc tcggcctccc	240
aaagngctgg gattacaggc gtgagccacc atgcccggcc ccaggatatt ctctgtgca	300
aagtttagga aactccatgc actntcaaa acatcagatg ctggggactg gcttatacaa	360
gaaatatgga gaacacatat aatagattt agccatggct aaatttcag aatttaccc	420
gagaccgata agtggnngaan aactccctga aagttggatt taaagtcan aaatctntt	480
cggggggggg cggttctant atttgaana actnttcaa atggctggca aaaggggcaa	540
tnccccctt c	551

<210> 10351

<211> 506

<212> DNA

<213> Homo sapiens

<400> 10351

catgtaaaat ttacttggaa aaaataaaat tccagatact caggtgagac acaaaccac	60
tgttcctgct ttgagacctg tgaattcttg tggacagtt ccactgacag ctgcgttcc	120
cgaggtacca gtcctcagtg acctcggaa ccccaaccac ttaggtccca aagccacaag	180
ggtgcccttt gtcttgcgtt ggagctggct gagggcctgc cagggcttggaa ggaccagctc	240
tcccgacag ggttcagggc ctctcccaga aaaaagaggt tttaagtga aaaggcaacg	300
aggggcccaga gggctccccca ggatgggtct tttggaggtt agatttgtat gcccacaacg	360
catgcaaggc taagaccccc aacttagcca acgaagccca tggncan aaggcttggaa	420
ctttgntnag gccnggncc agatgcacatct ggacggtntt ccaataaaaa gccccagggt	480
ttgctacctg gtacctgctg ggctnt	506

<210> 10352

<211> 548

<212> DNA

<213> Homo sapiens

<400> 10352

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 cacaaccatg tcatttaagg cgaaaaatct cagcttctag ggagacaagt taatatttat 180
 gatatttcct ctatctgatt tagtgaaatg atccattaaat atagttagcc aggtttcatc 240
 atccttacag ttttgcttg caaatggcat gagaattgggt caatttgtc ctgatttcct 300
 cctctctagt agacttattt tacttgcaaa ttaagaactt cagaatcact gaatcaatgg 360
 gaggtgagaa aggcaccta gaacagatca ggacttaaaa actcaataaa ggtatTTaa 420
 acaaaaacttg caatctacaa atattaatta agtgacaaaaa tgcaacatgt agatcagact 480
 tgcaaaaattt tttaggttac ctatccangg gatattgca ntaagtnag ctggacaac 540
 ctcntggt 548

<210> 10353

<211> 366

<212> DNA

<213> Homo sapiens

<400> 10353

gagacagttt cgctcttgtt gctcaggctg gagcacacag gcacgatctc cactcactgc 60
 aacctccgcc tcccggttca aacgattct gctgcctcag cctcccgagt agctgggatc 120
 acaggcgccc gccaccacgc ctggccaatt tttttgttag ttttagtana gacaaggttt 180
 caccatgttg gccangccgg tctngaactc ccgatctcag gcaatccgnc tgcctcagcc 240
 tcccaaagtg ccgggattac aggctgtgagc caccacgccc ggctttattn tttnttttt 300
 gagacagagn ctngntctgt cacccanact anagtgaat ggtgcgatct cagctcactg 360
 caacct 366

<210> 10354

<211> 504

<212> DNA

<213> Homo sapiens

<400> 10354

ctcaaaaaca atgtttattt taacacataa aatgtaccat ctagcaccaa tgccctgtaaa	60
taccagaatt ccatccggtt actactcttt ggaacaagta tgattaaagt ccttgacaga	120
ttattgtata tgagcgaatg gcttcataac ataaaaacaga gagacacaga acagaaattc	180
atttggtata tacatataga actacattt tagttattca aaaaccttcc actgcttcat	240
gtaaaacaata ccagtatttt taagccagat tttccctggaa catatacata aagtgcata	300
gccacgtaag tgcataagcc tgaaacttgt ctttctattc tcactccatg ctcaaattgaa	360
aaatctgtaa agatatcttt tggttcctcc aatcttctga ttggcttcct tagcaactca	420
ttacagnncc aatttacctg attaaaatcc catngacatg gtatggtingg aggaaaaaga	480
aaacctttgg ccaatttnan nttt	504

<210> 10355

<211> 545

<212> DNA

<213> Homo sapiens

<400> 10355

gaatgaaaac catgaattta atngacatt gggggagcct catccttccc ttttaccac	60
ccacccatcc agcctgttgn gagttgggtg agggctgccc ccagtctccg tcctgcggnt	120
ntgggtgcca tcctgttcct ttgagcttag tcagcctcct gggctcgct ntntngaat	180
ctccttcttg cgtattcata tagngcttgc ttgcgcctc gcaggctntc ctgccgggcc	240
caggaanact tggcaaattgt tagggctgtt ggctgagggg tcaccgggcc anagctggga	300
aactgaggng atcacaatgt canaggcatt gcggagtcatt catcattaaa cacgcattcga	360
atgccttggaa ggcanaggct gtgggttaggg actgagttcc cttggngatg tttcaggca	420
tgaaagctac ggccccctca acagattaat gatagcaagt ctacacaagc cagtcttggc	480
caggcctntt tgggtgaccc aanggccatg ggggnaaant tncttgactt tttgagccna	540

angtg

545

<210> 10356

<211> 557

<212> DNA

<213> Homo sapiens

<400> 10356

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 attctttat tttttagatg gagtttcaact gtcacccagg ctggagtgcata atggagcgat 180
 cttggctcac tgcaatcctg cttgggtgac agagcgagac tttgtctcaa aaaaaattct 240
 tttaattaaa aaaaaaaaaa agctttacta cttcctgtgg agttcataaa aagttcttcc 300
 ctttgttta gtcatccaga gtaaagtcat agggctcaaa gtcttccgg aagcggcgag 360
 ccagggtctc ctcgcttcct tgctgatctg acactggctn cagtcagact tatcaggaac 420
 attaaggatg gcttcactgg ccaggacctc cttccaact gcaanggaaa atcctttaa 480
 atctgggaa aagcttctc cggggcaagt cacnttaaaa aatgccgntc cngctggcaa 540
 tcggttgatg naaangg 557

<210> 10357

<211> 540

<212> DNA

<213> Homo sapiens

<400> 10357

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 caagctccgc ctccccgggtt cacgcccattc tcctgcctna gcctcctgag cagctgggac 120
 tacaggtgcc caccaccacg cccggctaatttttgtatt ttttagtaaaa atggggcttn 180
 accatattag ccaggatggc ctngatctcc tgacacctgtg atctgcccgc ctcggcctnc 240

caaagtgcgtg ggattacagg catgaaccac cgcggccgac atgcttgta atgnnttagta 300
 aacagcacag tcaggttacc aggtagctt aaggagagag tccactccaa aaaccggtgt 360
 tggcaggatc cccgtcctgc atttcctaac ccactcggtg tctacccca gcctttaag 420
 tatggccttc tgaaaacctg accctggaa gctggaaacc tnaatttggg caaatccaat 480
 ggaatnacct gatgcncana atttaactta tccaaagggg aacttatggt taaagccctn 540

<210> 10358

<211> 416

<212> DNA

<213> Homo sapiens

<400> 10358

gagaaaaacca tttttattat cattaccacc cagcttatct gtgctggatt atgtaccaaa 60
 tggccagatc ttctaaagaa catctacata acatttctt catgttcaa gagatgaaaa 120
 taactgtaca aggttaagta caaaagtaca caagacagcg gacacgaaaa aatccatgta 180
 tgagattta tccccacctg cagctttat atattgaaa agtagaattc atgaactaaa 240
 aaatattatc cttctatagt cctgtcaagt ttaatggaag tgggtttaac ctgattacaa 300
 cactaacacc agtatactg atctgatatt tacaaaaatt tggattttc aataaattaa 360
 agtcaatgca acacccatgc aagctagagt gctanctgtt tngnngaaca nggnncn 416

<210> 10359

<211> 564

<212> DNA

<213> Homo sapiens

<400> 10359

cttgttcaa gtccaattta tttcacacaa cacacaggct gctgagggaa tccacctgca 60
 ctgcactcag ttgaacttcc ggcccagtgc cgcgtcagag actaaaccat gggagaaaagt 120
 tcacaccctg gcctggcca cccaccttca gctctctcgtt gtgcgtcagg acgcacgctg 180

gccccaaagag cttcactcaa cacggctggg tcctggcg acgtggcac agcacttgcc 240
 aggcccccct ggcagggct cttctcagtc ctccgcaccg ctctccctc cgctgtctc 300
 gtctcgacc ccaccctcgg cgccctcaac ctccctactg tcctcttccg agtccgtctc 360
 ctccagccac tccagagttt ctgggtccat ctccaccaag gccttccacg cctcatcctg 420
 tgcaagtcca ggcagtgc an gtcgttaagg tganctggcg gcggccggct tnaaaatgcc 480
 ccatagacta gagcacccat tgctaaaag cagcatggcn tggacctgga cacggcccag 540
 tgcnngnttc cggctntna aggt 564

<210> 10360

<211> 481

<212> DNA

<213> Homo sapiens

<400> 10360

ctaatttccc tttaatttgt agatttaacc acagaactgt ctgcatttt ataaaaattg 60
 atcccaagat ccacccctcg ccgtggctgc cacagtccag gctgagctt tcctccctgag 120
 ccacacacgt gtgttccgt ccagccaaa ggggagaggt gtggggcggt ggggcgggga 180
 ggcccttgt gctgtggcac tggacacggt gctcatctgc aggatagcca cgaaggcaaa 240
 cggcacagac gaagacaaca caagacacac gagcctggtc ttccatcctc aggactaaaa 300
 ctgcgctgag agcaattcac ataatctcg agaaacggct tccttacttg tgcgcagcgt 360
 gagccggtac atcttggct tgcaggttcg gntccaacgc agcangcatn caatctgggt 420
 gggtttcgn gtggatgaat tccagttcca cgaaantcca ngattaggac aactnttca 480
 a 481

<210> 10361

<211> 560

<212> DNA

<213> Homo sapiens

<400> 10361

gaaggagitta attacatgta ttgattaatg gataggtaa acagacgaaa atcaataaac 60
 ctgagccagg ctgccccaga gtgctccat gcctggcgc tgtctgctaa gagggtcaga 120
 ggcagtctt cctggtcagt gccaggatga agccagtcct gggccagggt gctcaggcct 180
 ccagatggat tgccctggtg ggtgacatca gcatggcta cagatcagtc ctaggatccc 240
 gctcatcaact cgctatcggc ctcggcctca ctgcctgtgc ctgcccagcc atatgggtgc 300
 aatggcctgc ctgagaggag aggatactgg ggagggggag aaggcctggc acagtactgg 360
 ggaagatgga agcagcaaac aaggctgtga acacagccag gatcaagcca gtgganccag 420
 tgcaaacaca catgctcana tganggttgtt ctccctggAAC tttttccaa gtaaaaccgg 480
 taaagaggaa gggcttaagt cnanggctgg aacctgcct taanaccatt ttgggtacan 540
 ttgnccaatg ccnggggctn 560

<210> 10362

<211> 534

<212> DNA

<213> Homo sapiens

<400> 10362

ccattaagga gaacatgaat ttcccttggag gtgaggctcc aggtagggac agggcctgg 60
 ctgctgaagg ccacaggaag caaatggccc ccagtccacc tttctgtccc tgccatgaag 120
 ggccattaca ctggggtggg gaggtcctca ggaggggtgtc acacatagcc ttaggcaata 180
 gcaagtctt cctattcagc tctgtccagc ctccaaatgt ggagggataa tgggggtgag 240
 acagggttgg gggtaagtg gccaccaaac ccggcaaaag tgagcagctc catcttgtct 300
 gaagtttaca tcatccctc aggtataaag cctctcctna catcgacttt ggtttaccag 360
 tcagtgacag gccttggcca agctganact tggcaaaaac ctgaaccaag tgcccnccgg 420
 aaagccataa tcctancttt tgncccttcca atgcttaaaa gtcacaatgt tccccatggg 480
 catccctttt cctgaatcng cttnntngtgt gaaaccnngc cagcccgaaaa ccta 534

<210> 10363

<211> 454

<212> DNA

<213> Homo sapiens

<400> 10363

ccagtcaaag acaatata tataatttgg a ggttagaaata attacaaaaa tactgacatt	60
tctaaagcat tagcatattt gttacaaaca atcaccact aatccccatt cagaaaaactg	120
cttgtaaaa tgattattca acatcttcag aactacatat ttgtggcttc tttttgaaa	180
ttcacgtgt gagtatttgg agaattcagt tagtggcaaa aagttgtcca tactatgaga	240
aatgtaatat ggaaattata aaaagttata aatgttcata aaccccatgg tcatacataat	300
gtaaatgtcc ttgagtgcac caagttgata ttccctcatc aattgagagt tcacagttct	360
tatttcacag gcccatgtat gttttttagta atgtggctat atctgctggc atactccctt	420
natnaccttc atctactgna gncatatccn gnnc	454

<210> 10364

<211> 587

<212> DNA

<213> Homo sapiens

<400> 10364

ctttttttt ttgcgtatgag caaactgaac tttaatttgc ttacctgaaa ggcttgctct	60
tcattattgg cataggccac agctatttac acagaatcat tgtacaggat ttacagcaag	120
atgctacaca tagcatcatt ctggataagc gacaaaggag taagaacaga ctggggata	180
aagctctgaa atcaaagtgt aagcagaaat ctgaaggtag gtgtacaagg aaggataagg	240
gccaaatgat gagcgagggtt ggtgaggtag acataaggaa ggaagaggaa acatccaaca	300
acttgtggtg cagagatata agggaaagagt ccactggcac atagtctaa aaattatgtt	360
tggagtttga aggaggaaaa atctgccata agccacctct gtgagaaaaa agaaggcagt	420
tagaacctta caggccaaac cttataccctc cctatcaaaa gtaatctgct gattaatcct	480
ggataggana atgagaaggt tgaaaaagaa agagaggaga tgcttgancc cgnaccttaa	540

ccggagtttag agacccaagg aaatttnttc aggaaaggnc ccagggaa 587

<210> 10365

<211> 587

<212> DNA

<213> Homo sapiens

<400> 10365

aaccttagtt tagttaaatt taatgactgt aaaagcttgtt cacatagcag cttaaagag	60
acacgttttc cactgacata aagttgcttc gccccttgca gcttatctcc accttcatga	120
cctgtttcct cagtggcagg caatgtctcc cttccctgtt ggggaggatt gcccaagtca	180
gctctgaggc catcctctca ggtcagcaat atgcagaaga gtccctcaga gtggcctgc	240
agagaacatg tcccttaagt gtctgagaac tggctgaggt gatcttcacc agcacatagt	300
ccccaggctg ggctctgacc ctgagccag ggttattgac atcctccatc tctgcatcag	360
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actgagccct tccactagca ccacttgggt acaagcccac aagaaggctt gattggcatt	480
ttggtgcttc ttctcgaaag atagtatgatga agttccctca aacgcttaaa ttttancctt	540
tccggaaaaa ttattctta gnccttgan atgncccnngn ntttttg	587

<210> 10366

<211> 548

<212> DNA

<213> Homo sapiens

<400> 10366

gtcgctgaga atatttattc aaaaacaggg attaaaaaaa ctgtacagag tgtctgctgc	60
tgagaactgg gcccctgccc catgccactc ccccagctac ctggcagtgc cccctcttg	120
gggtgcccccc tgacaagccc agccagttca ttccagtcaa aagggtatca gtggaagcag	180
caagaaatct gcaggtggtg gggagagaag cctggcccca gctacccaac gggccctcct	240

ccctgactcc cacaaggatg cagtaggccca ggaagcccta agggatgggg agtgcgttag 300
 tgacacccgc catggtgggg gcactaggaa gtctcctggc tgctccctgt atccaagcac 360
 agagctgagg aggttagggcc ccctgcccgt gggcttgccg aacttnagac ccctgggcca 420
 naactgnccc actctgagag aaagactcca taaatggagc caggtanggg gtgcatacg 480
 cgtntggccn taccgcgttt ggacccangt ggagnttctt ggccggtagg tgcaaagnaa 540
 nccccctgt 548

<210> 10367

<211> 574

<212> DNA

<213> Homo sapiens

<400> 10367

atattttatc aattttatttgg aaatattccaa aggatcccaa ccccatattaa aaataaaaaat 60
 tgtaaagcac tccattcaat aaaagcacat aagtccccct caataatttag tatgacaatt 120
 cacgatacag ctcttactct gggagagttt atttaccct ttattccaaa aggacacaaag 180
 tcatctgagg cctcagatat taacccact gcatgttaat gacacaccac tgaggtgcag 240
 ctcaatgtaa ttattaaagc ttataacaca cttcccaag aatttataga ttctttctat 300
 aaataataat ttaaaaaata ctgcacctta agaccaatac aggcttaaca aaagacctga 360
 aatttctgca agggcagttt tgtttcttga tagaagtaca acitttgaaa gtctattccc 420
 agcaaaaagaa acactagacc cagcttggcc aaagaaaacaa aataaaaacag gtgatttcta 480
 acacgctaaa ggagtccatt tcatcagctt ccaagaaaagc agtctgggca ttcagaaaagg 540
 ttctatgatc caccagctgn aggcattaga aatn 574

<210> 10368

<211> 570

<212> DNA

<213> Homo sapiens

<400> 10368

cagggaggag accactttta ttgcttgcgtc gggtgatgg ggcaggaggg gctgagggcc	60
tgtcccagac aataaagggtg ccctcagcggtatgtggccatgtcaccaag gaagggggtc	120
ttcatgcagc cggtgcagag ctggtccatc cagaggggtgcctcgatgcgtcagcggcgta	180
cggcgtgggt agaagggtgaa gtccacgcgg tagttgagca ggcagctgag ggaggccatg	240
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aagatgctgc cgaactgcgc attgaacagg gccttggtga tgcacctcag ctccctgccgc	360
tcttcatcc aggcagccag cacctgcctc gactccgcgt cctgataggt ctgcattgcgc	420
tccagcagcc ccgtgagcgc ctgctgccac gtcagcnagt gcatgtactg ctccgtgttg	480
ataatccgga tctnaccttc aactngggaa taatggccct gtcccccaacc tgcccgaaca	540
tgaaaatccgc nnaacacttt tnaagnggcc	570

<210> 10369

<211> 566

<212> DNA

<213> Homo sapiens

<400> 10369

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acctgtttta gacaacagct tgtaatagtt ttgaatccat taagatgttg cttcaattt	120
gaaatatttt gtgtatacat gtatataaaa aataacccaa tgtatgactc atctgaccga	180
tgttaagat caataacggc ttatTTTca acatgcagtt aggaagagag ggaagcaagc	240
caacctctct acagtatctt tttgctggct tgTTTTgtatggatcaatgtggtttt	300
tggagggAAC catgtgcctt cagcctatct agtcaagatc agataccacg atcaacaaga	360
gcggtagaag agatggggaa aggggagttt gtaagtgtta aatatcaatt ttgtaaagtgt	420
tgcattttgg actccttcta ggcacaggat taaaaacagg nccatgagga aaaattggta	480
taatttaggaa aaactggaat caaatcaggc ctaatagccg aattaaggc ttttaatagn	540
tgnctatntg gaggttaacc tncctt	566

<210> 10370

<211> 518

<212> DNA

<213> Homo sapiens

<400> 10370

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 tggacagggt ggaatggat catccctgct ttcaaatagg gacattgacg tacagagaga 120
 ggagtgggtt agctggggcc ccagggcaca gcttcaccac cctggggagg tctggggaga 180
 gcaacctgtc cttcaggaca ccccccacca gcggctggag gtgagcacgc catgagtcgc 240
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 agccgggtca agaccagctc tgaggcctga atcaagctgt gctgcangat gtgcacgccc 420
 ttcagggaga ccacggnaag cttctgcacc catccggtc angtccacgt gagccatggn 480
 cacaggggac tgganaacnt ccgttgcnca gcanatgg 518

<210> 10371

<211> 549

<212> DNA

<213> Homo sapiens

<400> 10371

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 aaagacacaa cagggcggc agccctgggg gctggtgcag aaaatagtcc ctggctcctc 120
 tggccctggg agcctaaagg gcagttagga gaaggcttag caagaggcct ggagcagggg 180
 aagtcaaggc cctcaggaac ccctcctccc ccagaggaag gaggaagagg gctggagagt 240
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 ttactccttg cccttctcag gggcagtggg ctcccagagc cacttggtag tcccccagggg 360
 ctcagtccta gggtccagcc cgtgactccc ctaagggccc ctgccttc aagtccagct 420

nctcaaaaga ngagccgtt cacctgactc cttgaactgn gctcgctgca gtgtancgt 480
 tnccancacg gttgtcgccc cagtgacatg tggaactgaa gctnccggtg cangnttact 540
 tcaactaca 549

<210> 10372

<211> 561

<212> DNA

<213> Homo sapiens

<400> 10372

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 cttgttgtt ggaacctga aattggagtt gactgtgaac atgaaacaaa gtcttgacta 180
 ttttcaaaat tatattctga atctgattga aaatgaggtt ttggagagca ttttcttgaa 240
 tgccttaggtt cagataggct ttgcaaggat aattttgtt aaggctggat gaagtcttca 300
 gaaagtgtatc tcagtaaaaa atcagactt gaagggttgc tttctgccaa agatgttccc 360
 catttaaca aaatatcctt tgatttttg gtaatctcag ttgcaatgcc atttctttag 420
 caatatcatc aaagagatca gcagaggcat catagctacc ttcataaccc atagaatact 480
 ctggggtacc ntggtaatgg atatgtcccc angcattttt caatggattt gacttctatt 540
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<210> 10373

<211> 574

<212> DNA

<213> Homo sapiens

<400> 10373

attnaaagac aatagagggg tgttagtatta tgacaaaact agttccctca aaaactgaac 60
 tgtgttagca ttgatttagag tgtctaatac ataggcagac ttggggaaat accaggcctt 120

cctcaggata tggtgttcat tctgacggta acctgcagcc aaatgtcaag ggccataggc 180
 tgaatgcctg gggagctctt ccagggtaa agaatcctct tgggcctggg cccctccagg 240
 cagccaagat agggcagagg cagagagatg gcccagacct ggccaaatgg gttctatatg 300
 agccgccttt caataaagac ctgggctgtg atgaccccag ccgtgttctg tgccacagcg 360
 ggccggagtgc tcacaagtgg gtcctcgggc catgtgagac cccactgagt acactgaaca 420
 acacgccatc aagcaggttc catctgacac ttgnctgggg cccacaagcc aagcttcagn 480
 ancatcgnaa ccttgccgg acaaaagccc agggtccctt tagttcatct ggatgnttga 540
 gtccccttcc ttggcttnnc ccggcccaca cttn 574

<210> 10374

<211> 575

<212> DNA

<213> Homo sapiens

<400> 10374

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 agacaaaagc agaagcagaa agatcagttt tccagtatta cagtaatcca gaggcctgat 120
 ggaagggaag cactgagaaa tggctggatg tggacaaaaa tctgcaaaca gctgatggac 180
 tggatgacga ggcattttt ggagaggaga ggaaacaagg atggctcctg cgctctaagc 240
 ctagacagcc gagtgagcaa caacaaggct tcagttttt tggagaccctt ggcagggtggg 300
 gtgcagggtgg ggagctggat cagaaggttt gatgttagaca cattaaacag gatgtgctat 360
 tagacatcca agtggagaac ccgagttttt tggtggatat gtacctctgt agctcaaaag 420
 ggaaggtgga atgtaataga tgcccatcnt tgggggttca ttgggccgtc aaaaacatgc 480
 ctgaattggg gtanagacca acatcnnntaa ggncatcctc tggcttccan ggaaggaaat 540
 atttttccg gagttttttt tccnccatntt gacaa 575

<210> 10375

<211> 413

<212> DNA

<213> Homo sapiens

<400> 10375

gcgggtcacc cgtgctgttt atttacgcag ctgtgtttc taacactaat acaatgcatg	60
catgtattgt gtgttacatg gtgaaacaga acagatcctg aagttacaca gatggcgtgt	120
gcatgggggt ggtgagcacc cgcatggcct ccgcaaaatg agtgcgcctt aacaaacggc	180
cccaatgccc ggcagtcgg ctgggcctt cagggcacca gattcctcg tccaggccaa	240
gtcagcgacg gtcggggaa gtctgctcg gctaggagcc ctcagtgtcg gtgttgtcgc	300
tgcccgtggt gttctccgg tcctcctccc cctgccggca tccttctgc atttcctga	360
gggcgcgctt cctgcggnag ttctcaaaac tctctngan ggnccnnncg ttc	413

<210> 10376

<211> 519

<212> DNA

<213> Homo sapiens

<400> 10376

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gtcacgcaag cagagggcagc gtttccttcc attcacacccg aggtggcctc ctgtggacac	120
ggggcctcac cgaggcgctg gcggctctgg ggtgcagctg tggcggcct gccagctgct	180
tgaggcttca gggccttctt ccaggacatg gggtggtctgg ccagccctct tcgctacgac	240
ccgcagggtgt ttgaaggccg ggggcagcct gcgc(ccc)agg aacggcgggg tggcacgtc	300
gcggatcatg agcacgtact cccctaggtg tgctgccgca gcctgctcct ccgtggctct	360
ccctcagcc tgctgcctcc aggaagctcc tgtgccctgg gtgggtccc ctggggtgca	420
agnccgcttt ggaatcttgc cgcttgcctt cttggggaaag gttgnccagga accggaangg	480
gngganccaa gccggggcgc gncccaggan gacaattgg	519

<210> 10377

<211> 561

<212> DNA

<213> Homo sapiens

<400> 10377

gttgattct aacaaaattt attatgcagt aattacaaag gttaaagact cttccatctc	60
aaataaaaat aacagtata attacacaca taatatagta ccttatagaa tgattccat	120
aaatatcaca ggaaatacag tgcatttc a gttggagag acaaatactt tctcattcac	180
agtgttgac ataggaaagc ctatttacat aacaatctgt ataaagtcat gctcttagta	240
acagtctata cagagctgtg ccaacacaat tcttcagaa tgtgaagtac cgggcaaacc	300
actcctggcg ctggggatct ggagaagcca ctggagaagc ttcaactctga gcaggactca	360
aaaatgtctt gggcccttta ggtggactg gctgtggaag tggtttgctg ctgttgaact	420
caatatcgtg gactggagaa ttaggaatgg gatccaggcg gntaggatgt ccattggcca	480
cttcaccaga ttncagagca cttaaattgg gaacactcac aaacctgtt gttgggatt	540
aatcatcttc ttcttttgt t	561

<210> 10378

<211> 532

<212> DNA

<213> Homo sapiens

<400> 10378

gcctttggaa gcccttcttt attggaaat aaatacagag ttaaacaggn gggccggcca	60
acatctgngg ctggaggc caaaaggaag gagtctgact tgctcanaac tcanatctcc	120
atgagctggt cattccccac gatcacctca ttcaactcggt tagcttggc ttcaatcctn	180
tggccacttc caatcaagca gtccttgatg tctgcaccct tctcgatcac agcattgtt	240
canatgacac tgccttggat attgcttcct tcctccacag ngactgagtt catganaagg	300
caattggtaa tagtcaactt atctttatg agacaggatg agccaatgac tgagcgctt	360
atggatgact tctctccat ctngtctct ggcccaatga ggccgtcaac tccaaccagg	420
tgtttgctga caatctggc tgacnaatgg actggnggtt ctttggacag anagcanaca	480

gcaatttggg cccctgctgg ttggttncat gtaaaagncc catngngtcc tc 532

<210> 10379

<211> 538

<212> DNA

<213> Homo sapiens

<400> 10379

caggatgtga caacgtttt aatgcaaagt caaccattag catcttccc atgtacttat	60
tagatgtgaa atggcaggac ttcacggccc cggttgcata tttcctact ccgcagacga	120
ataatatttt cagggaaggc agcgcantct gtgccgtcac aatcgggcga ctgtgggtga	180
tgagggatga tgattttcca ggaggccctg gggtcanagg actcctagag ggagtttcca	240
gcccccta at cgcatatgga tggcctgttg atgttgtaac tgggtggaa gttganccgg	300
tcacaggagg ttagtgcagtt atcggggcca gtcacgatgc ttttctccag gtaaacattt	360
agagtattgt tccggAACat tccacccgag gcatctcntg cacgggtgggg gctctgctcc	420
cgtaaggcctg gttactgggt cctgtcactg aaacagcctt ctgggtcctt gtaacccccc	480
aaccacccng ggttggntna accttgcccg gcannngtccg cgcttacgccc gnaagtna	538

<210> 10380

<211> 568

<212> DNA

<213> Homo sapiens

<400> 10380

gaacatgaag aaaaacgttt attataaaac ttaagaagca accaatcaac caaatttatga	60
aaaaaaaaattt tgtcaactgac caaacctcat aacctgaaaa gaaccaagaa aagaaattcc	120
cattataactt gtacttctaa aagggttttag aggtctaaac tagacttcgt tgcaatccag	180
aaagttaaag gactaaaaaa ctggagaaat agagtttaga attagattt tcagacagca	240
tagtctatgc tgagatagca aaatagacat ggctttattt gctgatttag aagtggtcca	300

gccgtggct agcagtcatt tacatatcg tgaccaaatg caaacatacc cgtaactaaca 360
 gtgcgggtt ccatgacata ccctttgac agccaaagc tgaaacgtca actctatctg 420
 gggttacttg ctatcacaaa ggatgttact ctagcaattg gtgcggagg gcaaganccg 480
 atgattgnca ctagtaggga agaaagcnga agtggatgca acttacactg gatagtccct 540
 anccttctgg gattaatgga aaaggtgn 568

<210> 10381

<211> 403

<212> DNA

<213> Homo sapiens

<400> 10381

cgctctnttt gaacttgaac tccaagtctt ntaaacaccg gccgtgctcg gactgcaggt 60
 cttcacgtaa cttctaattgg gctgcttgat gatgactntc caggttccta agggcccggt 120
 cagcctgggtt tttgtcttga aaaatcttct ccaactcagc tctntgttct gccaattntt 180
 tctgaaactg gtttgnaaa tcctccattt ctgattgatg ctttgcacac agttntttgc 240
 gtaaattttc taaacataaa tcttttcaa attcccaatc ttccctcagg gtcttacta 300
 tctggcggtt ttctccatt tctgattgna acttctccct nagctcagct gagcaccacc 360
 tnctccttct ccngngcgtg ctgnccctg aggagctcca gnt 403

<210> 10382

<211> 564

<212> DNA

<213> Homo sapiens

<400> 10382

aaagaatgtg tccattttt ttattatttt aaatctgaac tttcataaaaa tgatggttat 60
 ctgcatttag ctccaaacgt ttttgtgacg tgaagtggag acaagcccag gtttggacct 120
 ttgcacctta ctatcaggc cagcggctgc accattcagc cttgttaactt aatttgcac 180

tgctgagact gtggcagccc cactgcaagt gactcagttt tcttgtagtg atagtaagta 240
 ggggatgctg tgctcctgac tgcatttc tcacagctgg tcaaagtcag aaatgatgg 300
 gaagtacaag agggtcccccc agggtacatg ggaatgctcg cggtgcctga gactctgggg 360
 tggagagacc ccagtgggg tccaatccct caaaaggatg cagcttaaga ggggacctaa 420
 aagaaaactta agcttgaagt ttctgagatg tagcatcatt tctttcctt ctacactcat 480
 tctgnccaggc tctttcttt tacacactgg cccctntta aagaacccat caagccaggn 540
 ccctgcanac agaccggacc gcct 564

<210> 10383

<211> 511

<212> DNA

<213> Homo sapiens

<400> 10383

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 cagccttctt acttgtacct caaacactgg gataaaggag gcggtccagg gcaatgcagt 120
 gatgtctgtc aagacattcc ccctccccta aactcagtag cagttgagga tgacattca 180
 ggctagagag accccaaaata cctctgttcc acctgagagc aaggtggaag ttgcattcagc 240
 tactgccccca agtgagcttc atcttctgat tgtggcctt ggaggaacga gagaactggc 300
 tcttggccac tgtgaggggt acagcttgc cactcaaata taccttattt ngcattcag 360
 ggagccaggg tccagagctg cagggctgctg gtcctggct cactttcaca taggccccatca 420
 cataacctgn cataaaggca tnaaaaccag cccggtgcaa tccatcccag gcactgggn 480
 angactggct tggttccctgg nacttntgan g 511

<210> 10384

<211> 563

<212> DNA

<213> Homo sapiens

<400> 10384

gacattttat attcttggtt aaatggttcc tggcacatgt tttaagtgcc tctgcttcta	60
gtttaaatga atgaccaga cagagcttc aagctgttc ttagagaatg tgtggtttag	120
cagaaatggc tatccacacc tgacacaggc ccccacccac ctcacaccct ggaggcagca	180
gcataagccc cagttccac tatggtgtct cctcaatgac cagaataccc gccagttcca	240
gggttcagca attccattct ctctctggct cagttcagaa gctgtatgg tcctgttaga	300
gagcactgcc tgcaggtcaa aacctggaag aggctctccc aggccaggcg acaacccttc	360
aggtgcagac gggaaacaaa aggcttaacc tgtgataatc ccaacacctt ctgaaaaaag	420
agtaacagtc atccagcaac gggccatggg tagggcagg ccgtaacaag ggacactgcc	480
cctggctcac atgtcctgtn canaagggtgg gcacagatat angctcgctt ttaaggatct	540
ggtggacctt ttttaanctg gcn	563

<210> 10385

<211> 560

<212> DNA

<213> Homo sapiens

<400> 10385

agtttaaaa acttaaagat atttatttt taaagggaa cttatttgag aaacataaaa	60
acacaacaga atacttata caccacttaa tataataaaa cagacaataa taacatacat	120
tttgcaagc ataaacactc agttactaa taacatttg gtgggtctaa cagttatgag	180
cagatgagcc atatttataa agaaatttgt cataaaggga aaggatataaa tgcataatcac	240
tttggttgtt aattgtgtat acccagctt ttaactctgg tcatctgaaa tactgtgcc	300
aacaacctca agtctttga tgagattgat ggaaactgtg ctgggtcacc actgcatatg	360
cagtcaccca aagagctgag atctcaagaa atttatctt tcacaaatgc agatgtacga	420
aaaggatatc tcatttatcg aggaagttc aacattttat gtcacactca atgcttatac	480
acaaagtctag tattgnata atgcactttc atggagtcag attctgatat ccagcngcag	540
aancnnaga ggtccgttg	560

<210> 10386

<211> 413

<212> DNA

<213> Homo sapiens

<400> 10386

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 ggagtgcagt ggcgcgatct cggctcacca caacttccgc ctcccggctt caagagattc 120
 tcctgccttg ggccgagcac ggtggctcac gcccgtatacc ccagcacttt ggaaagccga 180
 ggcgggtgga tcaccTGACG tcaggagtac aagaccAGCC tggccaacgt ggtgaaaccc 240
 gtctctatta aaaatacAAA aactAGCCGG gcatggTggc ggatgcctgn aatcccagcc 300
 actcgagagg ctgaggcagg agaattgctt gaACCCGGGA agcggggTTT gccngagcc 360
 gagatcgnGC cactgcattc cagcctggc aacangagng aaactncgnc ccn 413

<210> 10387

<211> 560

<212> DNA

<213> Homo sapiens

<400> 10387

cttcagaacc ttTTTATTCA tcATCTAACc AACAGAGGTg gttggctcga actcaaacta 60
 aaatggcctc aaaaggcccc aCTCgttacg acatgacagg gcaAAaccAG aagttagggac 120
 agagTTtagc cTCAGTTCTC TgcagagaAG accaAGcatg tatTTacaca caggtgcctc 180
 attaagaact gattggcaat gttccaccAG cacAGACCCa gagTgtgcag aaATCCGTgg 240
 gggctctgta tatgtgtcat tcagacaATC cgccgattcc tcagccataa acaagctctt 300
 gctTTTggg aggagggTga tcagcatgtt atcttgaatg atggcaccat ttgtttactc 360
 tggAACTTTg aaggggaggt gacaacttat ttTCTCCCT gaatctgaga tgcagtggcc 420
 tgtcagagta tctaAAAATg tgcctggaa gacaggtggT ggtggTTGCC ctaacagaga 480
 gttacagggt aatggggTgg gctctttcag tacttaatcc gntggTTTC aaaaACCCTT 540

gnacctgggg nccctggacc 560

<210> 10388

<211> 564

<212> DNA

<213> Homo sapiens

<400> 10388

gaaggtatat gtaggccttt attaggcaaa gcattccat atccatacag attcattaa 60

aacaaaatgga tgtctcaagt atcttggta aacaggatcc gaaatgaagt aaatagtagt 120

taaaattaat tataaataaa gacatttcag cacataaacc aacaagtctt ttctagattt 180

ttaataccag gacctaacad catcatttc caagtaagt acaaataact aatgtgaaaa 240

ccatatttaa tatagatgtat gtcacaaatg acaatgtgg tttccatagt aaagaaatac 300

gttaattttc ttaaatccta ttgggtatta caaaataaat ttactggc aaaaaacaac 360

aaaaaaaaac cagaaaaaca gacatgatgg aaagggttat aaaaatattt aataactaa 420

aaatgctgtc acaagcatgg aatgctacc attatcattt gaatacnaca aaatgctata 480

aagcaaagag ttggcagaat acagtagaaag agctattctg aaacaaatga agagtcagaa 540

cnttaaacng gggccaggat tttt 564

<210> 10389

<211> 414

<212> DNA

<213> Homo sapiens

<400> 10389

gggctagaac catttaata taattataca tatctgccaa atccaggaag aaaaggttt 60

tgcataatata actttccat ttaacatgtg caagcataaa cgacaatgtat ctcagttaa 120

taattcatca gggtcagagc aattgaccaa tgtctgtta ctgcttaggct taccaacagt 180

aaattacaga tgaatttagtg tcctttgct tctttctct gactctctt gtccagagac 240

atttgtcgt aaagttcag tgcagctcac ctccagccaa agtaatctt tttagatcag 300
 tactcagttg ctctgaattt tgcttataat tataacctat ttaatcacag aagaaccct 360
 gcanaggtgg agttcaaggt tgcatacaat aacngganna tcncagnnn gnag 414

<210> 10390

<211> 549

<212> DNA

<213> Homo sapiens

<400> 10390

ggtttagttc caacaaaact ttattaataa aacaaggcagg tggctggatt taacccaagg 60
 gctgttatct gctgacccat gatgtagaag actgagtgcc ttacagacca atccctgctac 120
 aaataacaga tataaattct aggaagaaaa cctatttgag gctttggaga ttaacaaaa 180
 atagattttg aagaggagtc aacacctgga gcaagtgatt tggttttgc agttttccc 240
 tggaggcagc tgcaatggtg gtgggtttgg cacaaggact gggggagggc aggcagcaaa 300
 aactcttgcc atcttctga ctggaggaaa ctggggaaa gagcctggaa aaaccatagg 360
 tgctagagaa ttagtgcagat gcccaagaaa gaagacagcc ntagangac aaccccagat 420
 tctatgtta acctcagccc aagtctntgg ctgctcctga accatgtatg ttggggcaat 480
 ctgaaancgc tttaaactca gttaaagaa cctgaattgn gtctatgccc tgctctacag 540
 gcatggcan 549

<210> 10391

<211> 549

<212> DNA

<213> Homo sapiens

<400> 10391

gggtgtgggg cttgtcttca tttttggtag gagtaaacag gcagcacctg tcactggtagc 60
 actatttaca aagccttcc aataaataat ttagagagaa tcctaccgaa atggctctaa 120

catttgtaca tgaatattgt acatgattaa aaataaataa ggcaatataa tacagtttc 180
 ccacaaataa aaaggaagtt gttttcacc aaaccccaag ggacattatg gctaaacaca 240
 gttcctgaac tcccaggaag tggctgggt ttggagttgc tgatgatgga gatgttgcc 300
 cctgaagtgg agaccttgcc aagtctgcc tgggtcctt tccagaacag tcgtgagccc 360
 agagaaggca gcatggtccc cgcgacggct tcctctcaact gccctacaag tggccacacc 420
 ttgggcaagc ttncangatg tcatgtgtga cttccgggt ctgtggaccc caagcacaga 480
 tggcgtggct ggctctttc taatcttaca ggccaaacca ngggtcctgg actggcttca 540
 ctcacgcct 549

<210> 10392

<211> 549

<212> DNA

<213> Homo sapiens

<400> 10392

accattctag attttatta aaaaataaac aaacattagt cctactttt gtctctaacg 60
 cttcatgaat ttatgtgtca gccttgtgca ggggctgtgc taatctctgc attgttccta 120
 ttttagtaca tgggctactg aaacaaggcag agtcctactt cttaaacttc ctcttcctta 180
 cacgtaaaaa gcccaccagt caaggtctt taatttggt gtacactatc actgaatgcc 240
 atttataaat tctaatttta aagagaccct taatttcaa aggaggactt tgatagcatt 300
 agtttcaga aaagatgact tgcaattcta acttagtact tgaaaggta gattttata 360
 ggggaggctt ataaaaggng tcttanaaaa aaaatgagcg ctctcaaacc tttctttgg 420
 gaatgaaggt gtggggctta agtgacttt tnaaaggga acaactgacc ttncccgngg 480
 agaagcccc tatgcgaact gtggccaacc gcaaaggatg gttctgngca cattcctgg 540
 aancaancg 549

<210> 10393

<211> 452

<212> DNA

<213> Homo sapiens

<400> 10393

cgcgactgag acgaaacgac acacacctt acttaatgga aggcttcgct tacatcctga 60
 acttaaagga actacagaaa gggacagaaa ctgcattttt tttaaacaat gcgttggaaag 120
 gttacttagtg ataggaggct tagtgaagcg cgtatgtga acggccacgc tgcaaggctg 180
 gagagaagag aggagggagt gaagttgcac cctgatcgac aatcctcgcc cttttatcag 240
 gggcgccgcc actcggggtc cgaccattcg cctccaacga gggacagcg aatctgctgt 300
 cgtgtcagt ccacagcaac cacaggtggg gcaacaggag gagcgcttgg gcacgaccac 360
 gtgacccagc acgagccacc gcccgcucca aaatgaaatc aaatctaataat cttccaatcc 420
 cggnatgccg gncactccan ctttnncang na 452

<210> 10394

<211> 548

<212> DNA

<213> Homo sapiens

<400> 10394

gcatatatataa ataacattta ttaacttagg ctgtacaata tattgattta gtcaaataaa 60
 aaataccgta cacaaaaattt gaagtaaaat ctgttaagatg ccattcagac tgaattttat 120
 attctgaata agacaaggga ctgccattca cttaaagcaa aatggctcca attccgttta 180
 tctatctatc tatctatcta tctatctatc tatctatcta tccatctatc tatctatcta 240
 tctataagtc tcgctctgtc acccaggctg gagtatctat ctatttattt atgagataag 300
 tctcgctctg tcacccaggc tggagtgcgg tggtaatc tcggctcact gcaacctctg 360
 cctccccacgt tcaagtgtatg ctccctgtctc agcctactga ggagctggga ttacaggcat 420
 gcaccatcac acctggctaa ttttggattt ttagtagaga tggggttcac catgttggcc 480
 agctggtctc gagcttctga cctcangggg atccacccac cttggcctnc caaaggctg 540
 ggatacag 548

<210> 10395

<211> 551

<212> DNA

<213> Homo sapiens

<400> 10395

gagctgcaga gcactgagct ttatttacaa acttccacag aatccctcac cctccacccc 60
 agggcctcc ctctctggaa ctcaggcagc agacaagctt gggtccaccc acctgccccaa 120
 ccttaggacag ctgggcctga gctgggcggg caggggattc catctcctgg gtgcgcctgc 180
 cagaggggag aggctggagg cggcgggaat gctgttctcc cccaggagtc agtcctcagg 240
 gcttctgccg tgggacgtgg ggccgagggaa cctggggcac tgaccaggtc ggggtcgaaaa 300
 gcagcatctg cattggtgag gccgggtgaa aaggcgtgct ggtgccggac agttctgg 360
 gctgggcctn acggagacag aggaccagan gtncaggttc ctggggctg agctttctc 420
 agactttgga ggaaaaatgt ccaacccaac angcaattgc ccggggcang gcccagtgtg 480
 tcanaagcgt naaactctt cgccggngga tgtggtaccg gtgccggggg ctcaggaatc 540
 gaaggcggga n 551

<210> 10396

<211> 544

<212> DNA

<213> Homo sapiens

<400> 10396

aagatatgac acatttatca tccataatca aacaattcaa atccctgact gaaaattggct 60
 tgaaaaatga tacaaactct atggctgctt taaaggactg taagataaca ttttttaaaa 120
 gcctatataa accactgatg cactttata tactttat tcaaaactaa tctatggagc 180
 tcattccatt ccatttaaaa tagtaagtcc tcacatattt gtggttactt ttacagtgtt 240
 tttaaaaaag gagtactgct aataattaa gacatcctaa agacagaata ggtgtgaagg 300
 cttttttta tatttgggtt gtttaggtt attttaaga actaaaaattt atttttgtt 360

cctccttaat atgaaaactct tccaaaatac cttctgacca gtaagtaaat ggtccttang 420
 cactgtgagg tggattaatg atgaacatga acccaggctg agaaagtgtc caattggatt 480
 taactactgg caaacagttt caagctctgc ttatccctga cacnggaaag nctttacccc 540
 ctcc 544

<210> 10397

<211> 538

<212> DNA

<213> Homo sapiens

<400> 10397

gtggttataa atatatattt aatggaaaaa atatacatac attgctggtg tgtgctcaaa 60
 tacattttgc tcatggagtg tgtgaccagg aatgaccctt tggtccacag agctctggtg 120
 tatgcatgga ggtgggggt gggctatgaa tcattcctgt gtttcaggc ccaggatcat 180
 gaagtcacga ggttgaatgt agcagagtct gtctttcct tcaaggctca taacaatgcc 240
 gcttcctcca ggaagcctcc ctigctttcc cagagacagc tgtggcttcc tgctctggc 300
 ttcccaggcc aagttccag ggtcccttc tggctccag ctgtgaccac agaggagtct 360
 atgcctgaaa ataaaggccc ttctggatt ctggcatgt ctggcacag aggagggaa 420
 ggggaagttt tgcagaatga ataaatgaaa aagctggtca tccttgaat taaatgtgga 480
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<210> 10398

<211> 546

<212> DNA

<213> Homo sapiens

<400> 10398

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aactggttt tattggtgaa aaaatcccag gtactgcctt tactactgtg atttggcc 180
agcattata acttgggagt aaggctaaat ttcaagttca ttgctgaaaa taaagatgt 240
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ccttaggga aaattctgga cataatcagg acactcctga agaggtttaa agaagaggt 360
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tgncttcang gtttgtgcaa atccctcctc aaggcttgg tggccaggcc tcgntgatgt 480
aatgatattt tgnaaaccag gtcatnaaca agttccggtt tnctggcatt gaccanttct 540
gaggtg 546

<210> 10399

<211> 549

〈212〉 DNA

<213> Homo sapiens

<400> 10399

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tctctggctg caaacttgcc naaggcanc tcctggctga gcatactggat aagggnatgt 540
ggccnggan 549

<210> 10400

〈211〉 140

<212> DNA

<213> Homo sapiens

<400> 10400

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agggagggtg gggnnnnnnn	140

<210> 10401

<211> 502

<212> DNA

<213> Homo sapiens

<400> 10401

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ttttatcttt ttcatgggtt tttagcatgtt gcacaaatgt tttagggcaa ttgttaccaa	180
acacacactg aggacactgt aatcgtgcac ttcttccttc atcctgaagt tcttcaatt	240
cacgaatttc ctccatcaac ttctgtcttc tctcctggng aataatcata ttttttagaa	300
gtgaattgct atctcgaaat gtcccgtcca cattctctac aagcatatgg ccttgggaca	360
ttaagatggc gaaagtgact attcccatct aaatgatnca tcataatgccc tggatggagg	420
tgcttcttct tccctaaaat tacaattgna ctttgntnc agggggtaaa aatgantggc	480
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<210> 10402

<211> 561

<212> DNA

<213> Homo sapiens

<400> 10402

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 tcctggctgg cccctcttg aaatcccttg ttccgcagct cggagtagaa gtcgactccc 180
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 gtgttgaagg tggtgacagc ccgacgcccgc gcagcaggtg aaggagaacc aaggccatgt 420
 agaangccca gcccataatt ncaaacatgn ggctccaagt ctttggacc caagttgaca 480
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<210> 10403

<211> 541

<212> DNA

<213> Homo sapiens

<400> 10403

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 caccttctt atagcagtga atttcaggt cacatacaat cagtaattta tactccaaat 180
 acaacaatca cgtttgatt aatcatccag tacaattcac agttccat tacacaggtg 240
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 actgagacca gcaccagttt ttaatgcaaa tattaaatca tcaacttctg ggcttctcat 480
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<210> 10404

<211> 522

<212> DNA

<213> Homo sapiens

<400> 10404

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aaaaaggccta ttccgtatga acatttcaaa agaacactgt tttgtaatgc accagtggga	180
agggaagagg caaggggccc ccacagcacc aaggggcct ttgaggaggg aactgttagg	240
cagcatctac atttagctaa ttgagggcca natcttcttgc ccttgaac tagatcctct	300
agctttcctc tggaaatcag taaaggtgaa agtgtgagga gtcattcctg ggctagtgcc	360
ctgatggaaa ggtgactgga cagggatttt gttgagggac ccactctcca tccccttggaa	420
agaaaatgtt tatccttaga aaaaagttct gnntctggac ctggactaat ncccaacctt	480
accccctaga gagaganaaaa nganaagang gancccttt ta	522

<210> 10405

<211> 453

<212> DNA

<213> Homo sapiens

<400> 10405

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tggaaagcagg gttcaggccg ccccacttct gtctagtcct ggcaggccccc ccctcacctg	180
gctctgctgt gggagccgag aacaaagacc ccgcctgccc cactccttct gccccagggg	240
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tccccctgtg agccagacgg aaaatgcac tcccaagagt gtctcgaggg gcaggaagga	360
ggcctgcccc tccctagcca gtgcctacaa caggggtgc cctggggggc anaacggccg	420
accgnaccca canganatcc tgggnanan aag	453

<210> 10406

<211> 523

<212> DNA

<213> Homo sapiens

<400> 10406

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tcagaactag atgtttgat gacacatagc agaaatctgt ggttcaagat ggtcattgca	120
aacttaacca atctcagcat tctattctgc ctttgttt gattgcacag aatcaatata	180
attctgattc atatggaaaa taacttaata tcttaacctc cgctcaggat ctccatcata	240
aatgttaggtc agtacataacc taaaaattgt caatgatcca acatggtcac atgtgacatg	300
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acccaaggcct tgtctgtccc ctcagagcac tgcacacaga tagtgaaga acttgtgtca	420
ataagaaatt cacagggatg aagctgggcc cagtgtctna cgcctgnaat ccagcacttt	480
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<210> 10407

<211> 553

<212> DNA

<213> Homo sapiens

<400> 10407

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ctgccctatg gcagggccaa ggagaggatt gtcacttgaa agtggaaaca cttaaatgga	180
tgacagacaa cactggaccc acagaccaag agcattttc taagccctgg agtagctcga	240
ggaatggaag agggaaattg gaagcagggt ccctttcga tcttcatgtg aagagaccca	300
gcctcttcaa gggtatccaa gataaacttc cgcccccaa gcccaccaat ccctgtccag	360

ttccttgct tcctgcgc ccaaata gga catttcctt tgtgccagc cccccc ttgc 420
 acagatcctt caaggggagt cccatgatcc acaagggcag agaccttat agcanaaggc 480
 anggcaggta cacactatct ctncttatgc atgggtggc actgctgang gncttggttc 540
 angaaatccc aaa 553

<210> 10408

<211> 286

<212> DNA

<213> Homo sapiens

<400> 10408

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 attccaaagg tactatttt acttaaggca gtttaaaag tgaggtctta accaaaaagc 180
 ctttacatgg cattcaaaac aaaaacaaaa acaaaaaaaa cacggggggg ggggggcact 240
 taaaatntttt ggattgnctn aaagagctna attatgnacc cnaaat 286

<210> 10409

<211> 508

<212> DNA

<213> Homo sapiens

<400> 10409

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 ggacctttc ttttcaaaac atacataaaa atggaaatga ataggaccag ccagtggctg 180
 tcatgcagcc aaaacgcct gtctggaaag catgcgtcta ggtaatctt ctcgcctt 240
 ccaggcggtc tgaggctgg gctggaggca gcgggaggga cagggtgccc agtttgtat 300
 cttcttcaact gccggcggcc acagacaccc ttctttgga gatcttcagc ctcatggctt 360

tggttatctc catcatcctt ttctcaactga gcttcaagtc cctctgttaac actgtcagg 420
 caatttggaa gtcatgtatg tgcaaggcaa gtntgatcac atatgcngna atcttcgcct 480
 tnatagaatc cnaaaattaa ntcccnaa 508

<210> 10410

<211> 540

<212> DNA

<213> Homo sapiens

<400> 10410

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 tattttctaa gactacaatg ccttcaacag attcctcagt attttctcc ggctcagatc 180
 tcattaaggg cttagacctt ttattccctg tttgttcagc tttaccagct ctccggctt 240
 atctcttagt tccattcaact atttttcag aatcagattt tgaaaaagtc cttctcttt 300
 gctttgctt tgtagaaaaa tctgtttaa tcatggtttc ctggttattt ttcactgtaa 360
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<210> 10411

<211> 520

<212> DNA

<213> Homo sapiens

<400> 10411

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 ctcacacctg tgcntanaca gcaccatcca ctgattgtcg ctgcagtcca cggcgtaact 180

aaggctgcgc caccacgtg ctgccccagg aggcgctacc aggctntcg gcccacaggc	240
cttcctcca ctgcattgtgg cggcagggcg gtaggtcgc agggctccat gattgtgggg	300
cancttcaag ggcnccatggg gcaaaggccc tcgaagggtcc ctcctnagt agggatgtc	360
attctgatag tactggatca ttttgatgtt ccggntcctg ttgctgagga agcagctntg	420
gatgacccatc atgatgaaat ttgcaacctn gggctcagtc atgttggggc taaacctng	480
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<210> 10412

<211> 531

<212> DNA

<213> Homo sapiens

<400> 10412

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ccagctgtt ccaggctgg gactggagcc ctgctgagac ttgtccac atctaggacc	180
ctctagggcc tttgggcaca gacaagtagc aagggctct gccaggaaca cctagaggat	240
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ggccagtttgc atccccggg atccctgaag agatcccagg aggggagtgc ttgtgcact	360
gaaggcgtgg aacagggcac tggaggagga agacccagag ccctggctct naagacaggc	420
ctggcttcaa gcacctggca tccttccaa ggagaaggaa gcctgatgtc tggattccca	480
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<210> 10413

<211> 458

<212> DNA

<213> Homo sapiens

<400> 10413

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 actctgtacc tgtaaaagga ggtatgcggt gcttctaaag catgcactgc atccattcat 180
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 ggacaggctt tttcttcacg caaaaggta gcaatgcccc cagccttca ttctagaaaag 300
 ttagtggcg atgattttgt atccacaaaaa tgcattatca aagctcacca cttagtgtt 360
 catttactaa agttagcaga gatctagaat ttgaaaaaaaa acagttanc aatngnaat 420
 aactccnctt agcaaattca attaangnaa ctngntca 458

<210> 10414

<211> 533

<212> DNA

<213> Homo sapiens

<400> 10414

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 tgacttgc tacggactct gaacttcaa ggaggccaga gcaggaaagg gaaaggaata 180
 acccccacca cccccaacac aagagaggca caaatttagag ggctggcac aggctgtac 240
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 cacaaggcaa ctggagagtg ggatctttt gtaaatggca tggtaggcag attanagtcc 480
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<210> 10415

<211> 545

<212> DNA

<213> Homo sapiens

<400> 10415

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 aatttgagat tgttttcatt aaacgcttgg ttccgttcc ggtcgtaggc ggcccagatg 360
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 aacacctggg tcaaancctt tggccaaaaa tgcctacggg tctnaacctn ggnttttgc 540
 cccaa 545

<210> 10416

<211> 401

<212> DNA

<213> Homo sapiens

<400> 10416

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 taaatccaat ttanaactta caaggtggtg gggatggaa gaggaaggga cacagtatgt 180
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 gaagtcgggc agagtccagcc actgatctgg accccctcag cctcggccag aggtagatc 300
 tcaatggctt ccaccagggg tagcgctcc acagcagtct ccatgacggc caggccaacg 360
 gcagcctccg ctttgccan ctgntgccnn ananngcctg a 401

<210> 10417

<211> 554

<212> DNA

<213> Homo sapiens

<400> 10417

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gatttaacgc aattacaatc aaaaaacact tgtcatatat aacactttt cacatggaaa	180
taaattggtg gtttaagggt tacaattcct ttgaataaaa tttcagttat tagttacaaa	240
atgctaagac agattgaggt ctcaaagaaa gaacttgaga aaattatgtt ttaaaggact	300
tcacaaatat gaagcataat tgtagaatc ctgatacaaa gtaactttc ctaggtttaa	360
ggttcaagtc tgaattctt aattgtccag catcaacgag acctcattt tattttttt	420
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cgggttaca aatt	554

<210> 10418

<211> 543

<212> DNA

<213> Homo sapiens

<400> 10418

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ttagagtcat ttctgttat cgagcgacca cacggaggag cacaccctgc ttccaaggct	180
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 gcc 543

<210> 10419

<211> 556

<212> DNA

<213> Homo sapiens

<400> 10419

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 aaaagaaaaag gtggaaatct ccaggttatac tgcccgaggc gcagggaaatc gacagccccg 240
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 gcattanggg cctttn 556

<210> 10420

<211> 525

<212> DNA

<213> Homo sapiens

<400> 10420

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<210> 10421

<211> 535

<212> DNA

<213> Homo sapiens

<400> 10421

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 agcaattaat gacctccccca aaatcacatt atcatcaaca agatttttt ctaaaagttt 180
 cggccaatcc aataacaaaa aaattcacag ntattctgca nacattttaa agatgcagga 240
 attgnattgc ncatttatata attataaacc ataacaagca gttatataattt ttaatcttagt 300
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 ttcaaattat tatnctaaaa aaacnctcca ggggataaaa acnggnccca tcataattt 480
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<210> 10422

<211> 548

<212> DNA

<213> Homo sapiens

<400> 10422

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aacaggcttt tagggaactg gacacacaga ccagctgtga ccctgacttt cacattgatg	180
ggtgaatggc aagtagggagg taatgaaatc tggaaatgac aggggagaga aggcaaagct	240
gcctggagtgc tcaagtcccgg aggcatggc ccctctcccc cggggccag ccagggactt	300
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ttcctgtgcc ctctgcctct gtgggcaggg gaaggaggaa gggtgtggc ccttaggatc	420
tccaagtgc tttccagctt ccaggagcan ggctgagatc ccagagttag tcacatgaac	480
tgtgcatttc actgagggaa aagggangtg tggntttgg actttgcatt tcacacanaa	540
cccctttg	548

<210> 10423

<211> 548

<212> DNA

<213> Homo sapiens

<400> 10423

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tgcatttcag agtatttgga cattatcaaa gctgtcctt cccaatgaaa acatttaaga	120
aaacgttaag cacttctcaa gtaacatgat gtggattttt acctttgtctt cttacctt	180
ttaggtacac acgtattttt caacaaagca aaactatttt acagtgtctg ttaacaaaaaa	240
gttctctatt agatagaaga aactacagta tcctgaagct atttcccaa gagctagttt	300
agtagataga cctttggcc catcttattt ttcccttctt ttttttttc agtaaggtaa	360
ctttccatta tgcacatact ataccatcat cattcattgg gtggagatata gctggaaagt	420
agctgnatat ttttagggaa gacactgatg gcatggactc tggatcgtgc tgtgcttatg	480
ggtaaacata tctaattggaa aattcgaatt acatncanag cttccggatc aaagnccgac	540
attttcaa	548

<210> 10424

<211> 548

<212> DNA

<213> Homo sapiens

<400> 10424

acacaataaa tattttatt tttaaacact gaattgtaca tcttcatat aaaacatgag	60
attctagcct gttttaaaaa ataagtatac ttgctagtagtac tatcttcact ctttttttt	120
ttcagaagcc aatgttctct aaatctgcag cttcattcca cagctttaca gaatcataat	180
ctcttgaata tatttccaat gttattaaaa aataaaaaat catacaagat atattnagca	240
cattaaaact taagaggta cagtataact gtccagacct ccaggtacca ctgaataactt	300
ttccagtaca aagaggccaa tatgttagaa taattaattc tctgtatttta cttttattaa	360
aaagagggtt ttggtagtaa gaacaaataa tctctcattt gttgcctgaa atcctaaaat	420
aggatcattt gtttcttaggc ttgctacttg ctgcttagca acctgtcccta ctgcctggc	480
cttccttctg tgaaagtac agtggacatg ggagcaggct gacgatngat gaataactcga	540
cgaaaggn	548

<210> 10425

<211> 557

<212> DNA

<213> Homo sapiens

<400> 10425

atgctttt tttggttcta aaactgatgt ggtttcattt ggagttctct tctttcattt	60
aaccacatca ccgtctgctt ctcttgcttc tagtagtgat aaactatttt gctctttatg	120
gataaattca ttcatctctt ttgttaaccct ttctgtttgc tgctttctt ctccatctg	180
tttatcatgt aatagctgct gtttttttc ttttctccaa aaagcttcct gttttgccg	240
gattcgatgc cgtaattctt catcatcagt gtcagatgac tcagatcctc tgtcaactcct	300
ctcatcttca ctgtctcctg atccataacc acccagtccca ccgagtccag tgaggaaagc	360
cagtgcactg gactgtgcca gctgtttgc aggagcttc gttgcttgc ggtgtgcattc	420

tttggctacg taataaaatt tcttcattcg gggacatcca gcagaaaattc tgtaaaaagc 480
 attttggcag cacatcattg gatactctc tcccttaagc atcttaaggg cactgggctc 540
 ttcttgagga actggga 557

<210> 10426

<211> 562

<212> DNA

<213> Homo sapiens

<400> 10426

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 actggctcag gctggggctc acagaggcca ctgcacatca gctccaggct gcaggagcca 180
 ccacctggcc atactggctt cctccctgac gcagcacagc tgtgcctggg acacagagtc 240
 gctctcaagt actggagcag ctagcaagct cactccccac tctcctcact tatctctgtg 300
 acaatgtcta tcaggctctg gagcccgaag atatagccag catcctggcc ctcatgcacc 360
 acggtgtcct cgccatacag cctgcagggtg gtgtgtgcaa agtgcatcat ggcacatct 420
 acagagctgg cgccccatgg gttttaggc ataggcacca gcagactcat cagctggatt 480
 cctctgacan gnccttccaa tccttaacat tctgagtcca ggaaccactt tngggccggt 540
 ccttggcatt atnaaangac cn 562

<210> 10427

<211> 554

<212> DNA

<213> Homo sapiens

<400> 10427

ggagacaagg tctcaccatg tcacccagtt tggagcgcag tggtacaatc tcagctcact 60
 gcaacacctg cctccgaggc tcaagcgatc ctcccacctc agtctcctga gtagctggga 120

ccacaggtgt gtgccaccat gcctggctaa ttttgtatt cttgggagag acagggtttt 180
 gccatgttgt ccaggctggt cttaactcc tgagctcaag cgatctgcct gcctcagccc 240
 cccaaagtgc tgggattaca ggtgcgagcc attgcacctg gcctaacaac ttgtatatct 300
 aagaatagcc taaaaataat gtcagcatgg gctgtacttc cccaaattta gaaaaggaaa 360
 gaggaactaa aattctattt cagatatgag cctctgaatt taaaaaaaaa attgggagaa 420
 aatagacaac aacaagacaa aaaataatac acttgacct ttgggcttgg ttagcttc 480
 ctggaaataa gggngcttc tcttgnaat cagatgacaa tggaaanagc tgactgggt 540
 tnggaactgg ttan 554

<210> 10428

<211> 556

<212> DNA

<213> Homo sapiens

<400> 10428

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 cgtacaaaaa atagcgacgt ctacagggcc cctgatgggg ctagaagggt acagtgc(ccc) 120
 ccaccctcac cccttgata aaaaataact ctcacgccta tggaccagca aagactggca 180
 gagtggctcc tcaacaggga cacaaacctt ctctgccagc ccagggaccc cgttcttga 240
 ccctcacctc tgccacttct aaggcactgt gactcccttg ggctgggtgg gtaccgccag 300
 cccaccctcc tacgcccccc ggcgccttcca cctctggtcc gcctgggct gggatatggg 360
 tccccacgctg cccccctgctg gcttctctac ccaactacct ctagcgctcc cccgctccgg 420
 cggggtaaag ctcactaagc taatcgcccc tganggccc ctaccgttnt ggccccccag 480
 cctggctttt ccgggtctgg acaagcccgg aagccttctt cccttctgca aagactggaa 540
 ggggctttct gaaggg 556

<210> 10429

<211> 562

<212> DNA

<213> Homo sapiens

<400> 10429

ggcttgaat aattttact cattatatca tttatcatag cataacagcg tacattccaa 60
 aaaggaaggc ccaacataaa ctgagaaatt gaatagatac atccataatc cctttctatt 120
 ctaatccata cacaaatatt ttatcataat ggttttagaa gtgaatatta tttctatatt 180
 ctttcccac actttcact atatatcata gacacttcc taaaattcat aaaatcttca 240
 catgtaacaa cagcaagtgc tgtaaggaac agattacaag ctatctaatt ggaagatcat 300
 gtagtaaaat gatgcactaa aatatggtt tccagcctaa gttctaaaca ctacagcaac 360
 ctttaaattt tctcaataag cccacttagtg gtagcattcc attacitctt tatggaaaaa 420
 gangtctaac actggcagtt ggctttggc atatgaattt ctctgaatca aggctgaagt 480
 gcttttgca ngaaaaaggc cccgatttaa taatttcata gggaaatggg cttttagaatc 540
 aggnntacca tgggtntggg at 562

<210> 10430

<211> 559

<212> DNA

<213> Homo sapiens

<400> 10430

cactttcca ccttttatta ttcaacacat ggaagggggt ggagacacaa ggatagggca 60
 atggtagtt tcaataaata agagaaacag gatggacagg cagtggcccc atgcctgcac 120
 ggccccacat aaataaccag gttgctgagc cagagtggaa gtcagggctg ggcctggcag 180
 ccgcctgcac tgcccagaag cactggcacc acagggacac agaaaccact gaggcccaag 240
 gtgtgctcca gccccaccaa gtcttctccc taaagctcct gagatcttgg ggctggctgg 300
 gcaggctagg gctctgtatc acagtcctgc tggatcaag tctatTTT cagtttatt 360
 aaaaacagct gggggagggg caggcacatg cattaagcccc cttccgtagg cagagccatg 420
 gatggacaag ccccatgggg gccttgaag gcanaagcccc tggaaagcaca aaaacggggc 480
 ttggataaag cttctaatgg gaagggatgg tanagcccaa ntcccaatc cccaaaacca 540

anccagaanc tncaaagag 559

<210> 10431

<211> 533

<212> DNA

<213> Homo sapiens

<400> 10431

ctaatttata cattttaatt ggttgcatat attaacatgt actataagat tctttctaa	60
gaagcattac ataataaatg gatactgtaa aaagatctga ttagttaaaa gtaacaagca	120
ttaacagata gatacataca aaactcagcc tgatcagact gggtgtgagc ctgtaatggg	180
gcatgggc caagccccc caagggtag cctcaaggag ggagggaaa ggggggtaa	240
aaagaccaca agaccaataa aaaaaatcag ataatttagac acagattaac tgtaaacagt	300
tctctcttc tccagtgaac aaaaagaata agcttccat gccactcca tatcagaatg	360
acttccaccg ctggcttgc ctgctgccat actcgccgc tcatgtgggt ggcaggcaga	420
ccccaggag ccatcacggg caangctgg agtggatta cgtcagatct gggngngtgg	480
tgtgttnaa aaaatatgtg gggngaactg ggnttgaagg ggntttctt tgg	533

<210> 10432

<211> 556

<212> DNA

<213> Homo sapiens

<400> 10432

gaagagcaaa tattttatc ttgaaagca aaaggcttag taacaaaaaa gatccacaat	60
tttaagctt gaaaaagcct ttcggat ctaatacaga atttccaaaa accagtacga	120
cttgcacac attctgtgaa aaaaagttt gtgaccaaac agatggaa actgtcacag	180
gtaatgctat tctccttca gatttccaca gcacccggca tattagaagc tctgagaagt	240
tttgcataa agatacactc taaccatgtg ttcctttaa aggagggaaac tagaaaggag	300

gtgacacatt gaggtcacac agagtaccac atctgtcaaa ggaaagatca acaggcaatg	360
tcaaatttta aggagaatgt gactcaagga agttcttcaa ggacaatata tataaaaatg	420
taattattca accgtaagca gaattatgtt cagtaagccc cttaccaatg ctactacaaa	480
atgaaatgaa ctattatctt aataattctt taaacccgt tttttaatg gtaaccccaa	540
ggggccaaaaa cctgnn	556

<210> 10433

<211> 562

<212> DNA

<213> Homo sapiens

<400> 10433

aaaacattaa gcctctgtca aaaatgtatt tcttatttta gggtagcagga tttaaggata	60
agatgatact cacaagtaaa gaaaatttac aagaaaaaac ttaacaaaag tttcaataaa	120
agtattgcaa cattcaaact tgacttataa caaaagaaac aagattgcaa acaaaaatgt	180
ttacggggtt tccaaacata aataaatgaa atagtgtttt ggcagtaggg ctcatgctga	240
tggctagcag gaagttaaca gagttaact tacctggaaa aaatcttta tgtacaaata	300
acaagccaa attatggact gcagcaattt aatcatcaact gccatttttc ttacttccaa	360
aataaagcct tgattaaacc attcataccc tatattactc ataccttac ttcagagatt	420
gaggaactat atacaacaaa ttaatttatt ttcaccatag ggataacata ctgnacctct	480
ctgccaatgg tactgaaaaa tcttccatgt caaaacaact tgacagtaga tntaaccatt	540
caataaatat gccatggacn tt	562

<210> 10434

<211> 560

<212> DNA

<213> Homo sapiens

<400> 10434

gaagaacagg agataacagt ttattaatat ggcatalogg gaggtggtgg tggcagttt 60
 tcatggagac ctgttaaat gctgatagga gagagacggt ggaaaggaga gtagcatagt 120
 tggtaaaat catgaatctg cagtctggc gcctgggtt tgaatccat ctctataatt 180
 gctaggttat cctgaggaag tcacttgccc tcatagggtt gtgaggattt ttagatcaaa 240
 ttatcaagaa tacttaaat atgactggtg aggtggtgag gtcaaactct agccctgcct 300
 gagcatgcat atactatact gctcccacct gcccttggac tgcctccat atctaaaatg 360
 nattcattct tcagattcca gctggcttgn ctcactgccc ctcaggaacc cctgcttca 420
 acaactaatac aagnggatag actttatggt cctctttnt agcaatgacc anctccctg 480
 ctntgaggca tacaagcctt tccttttaa ncctccggac ataccccca atttgnccct 540
 tccaccccttcc tanaatangc 560

<210> 10435

<211> 561

<212> DNA

<213> Homo sapiens

<400> 10435

gtggagaaaa aaaactttat tggtattaca gcaaaaaatt cacataagat acataaatta 60
 tgataacctca aagcttagagg caaataaaat acacctaatt atacaatttatacaatta 120
 aatcaagaac attagaaaaa ttttttgca aaaatgtcaa aaaaaaagat ttgatctgg 180
 cgggtatagt ggctcacacc tgaatccca gcacccggg aggccaaggc gggtggatca 240
 cctgaggtca ggagttcaag actagtctag ccaacttggt gaaacccat ctctaccaaa 300
 aatacaaaaaa ttagccaggt atgggttgtt gtgcctgtaa tccagctac tagggaggct 360
 gagccacgag aatcgcttga acctgtgagg tggaggttgc agttagcccc agatcgccacc 420
 actgcagccc agcctggcg acagagtaag actcatctca agagaaaaaa aaaaaggatt 480
 tgatccaacc caganttcng aaaaaccaaa cccaaaaccc tggactnng tacattatta 540
 aatnnggac nccgnnaaaa c 561

<210> 10436

<211> 574

<212> DNA

<213> Homo sapiens

<400> 10436

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tcatagcctg tgggaaccag gagggcttcc cttaccaccc agagcagagg aggaaggtga	180
tggaatatgg ggtgagggga ggaacctggt ggccctccc tgagatggcc agaaagccct	240
tggcctcacc tgggactgac caggcagccc tagtcttaggc acaaggtgcc cttcacccct	300
tcatggctgt gggaaatattt cctcttactc ttttctccc atacagctac tgccaaaatg	360
cccaaacttg ggccaaatgt tgcccaaact tggccaaaaa atgttgccta agagaccnaa	420
ancagaggaa aacaggttcc aaatctatgg agatcatgag cngaaatctt gangctttga	480
ataaaaggct taaaaggcga ggaactctt gggnggcca aancanacgc ccattcccaa	540
gggctttcat tggaatgggg ggnaaggctt gtnn	574

<210> 10437

<211> 562

<212> DNA

<213> Homo sapiens

<400> 10437

gaggtatttt agtaacctac tttttattt tactttaca aaagcttgg gttggtgaaa	60
aattaagtaa tctaggcatg atttatggga tgcaggagga tgtggatagg ttacatgcaa	120
atgcctttt ataaaaggaa cacagcatct gtggattnag gtatgcttag ggggtctgga	180
accaatcccc tgcataatggt tagggataa ccatattcaa aagaaacatc ttaaggcttt	240
accatgtgtt tgcattcatg aggcttatct cctatgtgat ttcttcacg tttctgaaat	300
gaaataaaat taatgaatgc tttccacat ttatagagta tctctccagt gagtcctttt	360
atgtctatgc aaggaactga gagaactcag tgcctccca cattccttac attcatgcat	420

cttctttca gtggtagtt tttcatgtcc tcgaaggaaa ccgagaacca ntggaaagctt 480
 tanncnattg gtgacattca taagaattcn ttccagggg gaatcnttca tggtcccaa 540
 aggcaanggn cccaaaaaaa gc 562

<210> 10438

<211> 552

<212> DNA

<213> Homo sapiens

<400> 10438

cagtttgtc gtgtcacttg aatcagaaac caaacacatg taaaaaaaata tcaccccaa 60
 tgccccccat taactctc tccagaagg gacaatgtta gtgaactcaa gactctca 120
 gatgatggta tttacaatg aaaacacaag gaaaccctt gaggtccaat ttccacatca 180
 tattctccaa atagtaaaat agcagctcta catgttgatg aaaagaaatt tcaatttctt 240
 cctattgtt tttactcata tcaacattaa tatgtatctg gatttattaa ttccaaaaaa 300
 gaaaatttttta gttaccaaatttccagaaa ttataataag cattacatat atgttaattag 360
 cacttatcta ccaaaaaaac atatgtgtat gtatttattt atcttacctt cactgaagtt 420
 ctttttctg gctggacatg agaaacagga ttaagtgtatc aatgctggct ttatttcttc 480
 ataaggcagta atttgggnct tttcattca acacacgcag catttcataa taaattccca 540
 aaggccattc ct 552

<210> 10439

<211> 538

<212> DNA

<213> Homo sapiens

<400> 10439

aaaaaaaaatgg tattttatta taactttaa aattgcggaa catcagactg aatatcatca 60
 gacacatataca caaaaccact catctctaaa gtcatttct ataccctctc aaaatttggc 120

cagttagttt tgccctcaggg aattttccag ttcaacccca tacaccaaca tggaaataaat 180
 ggaaacacta gccttttgtt ttgcccaca gttccaaagt gctattacag gcggaatatc 240
 tgctgcagga ggtcattttt gctgctgtgg gtgtgagtaa aatgcttagt tccttctaaa 300
 atcataattt caatatggac ttctgcttca cgctgcattcc taaggcacaa atcaggtaac 360
 ctacatctcc caaatgatca acagagcact ccattctatt ttaccctcaa tgctgagaaa 420
 ttactcctgg gcccagaagt tgcacatag gtggcttggg ntacttggtg ctcangcaca 480
 actggcaca nggcccaact tggtagacaca tcaattcntt naatatgtga tnctanaa 538

<210> 10440

<211> 523

<212> DNA

<213> Homo sapiens

<400> 10440

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 tatcatcaca gattactcat cgctgccatg aagtccataa aatgtgtgac tacctgattc 120
 ctggccatct aggacagggt cttaaacct gtcaagtcag tttcattatg gccaatttc 180
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 gggatcaag aaggcccccc taaaaccagg aggacagatc tagttggca gcaaaatctg 360
 gctatttcta gaaatgctcc ctcttcctgc aactgagcag ttgtccctta caagccacta 420
 aagcccccaa tctttacctg ngaacccatn ttctgactct gggaaatgcc tgcanaagcc 480
 tggtagggga caanccgtca aaagntgatg aaccnngctn ggg 523

<210> 10441

<211> 553

<212> DNA

<213> Homo sapiens

<400> 10441

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 caagacaggc tcaaggaggg aaaggacagg ctcaaagtca tcacagtgtg gggctggaat 180
 gcagttgccccc ttccctcttt cttttgcac atctccgtc tctagggtga ggaggggtgt 240
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 gccccagagg ccccatcttc cccacataat gaggctgctc catcctccctc aaagcccaga 360
 cctatttcat aagccccaga ccccaccttc acccagggcc ccaagagaac agagctggag 420
 acacttctac tccttagcaact ggatgccttc tccctctgn gaactgtang tgggggggtg 480
 gaaggcaccc cttaagcan gctcgggggg cttaactc caagactctg gaaaccnnta 540
 naaantggga agg 553

<210> 10442

<211> 563

<212> DNA

<213> Homo sapiens

<400> 10442

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 gccttcacaa tggtttcgac acattgatga cattttca acagttccctt atctgttaatt 180
 gttgctatgt atctcatgca ttcttatatca gaaggaaact gatttacttc ctttaccaaa 240
 tattgaacaa cttttacatg acccttgcga aatgctgaca taagagggtgt gattttccgg 300
 ttatctgctg catccacatc agcacctgct tgcactagca actgcacaac atcaaaatga 360
 cctccattgg atgccagcca aagtggcgta tttcccttt tgttacgaac atcaatgtgg 420
 gctcccctat gaatcagggaa gttcacaaaa attgnagtga cttggctgg tgctatggtn 480
 aaagcaagat cttaagga aggcccaggg gagcctaaca tttntccctta tcaagaagac 540
 tnttcaacct tgnatccctc ana 563

<210> 10443

<211> 549

<212> DNA

<213> Homo sapiens

<400> 10443

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 agtccattct gttttctga tttgcataag caaaggtcta agttctggag ccaacccttc 120
 agaggtcttg agaatgaatg atggtaagt ttatttggac aaccagaagg acttttcatc 180
 acaactgaag ccattttata atgtagaaat ttcttttcc tatttaagt aaggaaagtc 240
 cattcttgag aatatgttgt ccaacaatta aaacactctc aggatttgtt acttgggtt 300
 gatttatgct gactccgcct tctgttatca ttcgataccc tcggggacca tctggaatgg 360
 cattgcttt gcggcaagta tctaggacac ttgttccagg atcgagaaaa aattcagaaa 420
 atggagcttc tttaaacaac tcttttaact cctgacagac tgaacctccg gggcttaat 480
 ctctgggat aaaggcttgg ggaccccctt tagcagaatc caatcnttt gccatgacc 540
 agcttggtc 549

<210> 10444

<211> 537

<212> DNA

<213> Homo sapiens

<400> 10444

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 aggatggta tggctggga gccccgcca ccagtcnt gcagttctc caccgganaa 120
 cacttggga gctgtcacaa ggccaggggg ggtccatntt tgggcctgtc gtggggcagg 180
 cagcaggtct gcaaggactc ctcaggcctc gtcctcactg gaatcagggg tcaanagcgc 240
 caggtctgcc tgtgtctggg tctcatcggc aggctagtgt aacaacgtga attaaaactg 300
 ggcataattcg catganaaaa ctggagctgg ggatggctcc ctgagctggg gacctagaag 360

acgctgciga cagatgggcc ccttcatgtt gggccatt cctgaggtaa cgtgcaaccc 420
 tgaggctggc cccaacggaa ggagacttt ccagcagccc cagggccag tcccacacag 480
 acnngaattt gaagcccttg gcaacaagtc angggacccg ggaaggcaac cctgacc 537

<210> 10445

<211> 518

<212> DNA

<213> Homo sapiens

<400> 10445

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 accccacagt gtgggcctct ggagctgtgt cttaactt gctgccgatc aatcccatgc 180
 tctgaaatgc gcacactctg gtccttagt agatgccata ggtggctca tgactgtccc 240
 tgtaccggc caggttagcgc aggggctgcc ggtggggaa gcgcttctgc ttgggttgt 300
 aagggggcgg ccgcacgaac tcaaacaccc gctcccgcat gtccagaagc tggtgaaaga 360
 tgttaggtgac ggagtcatcc cagcggcact ggaagaagga caagccggct ggagtcatgg 420
 nttcttggng nttcttgnna aaatcaaaaag tgccgaaagg nccctggcc nacttgatac 480
 aaggtaagg gccgtcgtn c taaaagaat caatcggt 518

<210> 10446

<211> 569

<212> DNA

<213> Homo sapiens

<400> 10446

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 aaatagttt atgacacctt tag agaaatcatt tattctct tataactcagt taaatgggag 180

cctggttatc acaatagaga ttagtaataa tgaaggtaaa atgcctggta aaatgcatca 240
 cagtaggcac ccatttttatt atacacatgt caataaaaat aagcatctat ttttaaggg 300
 aagaaaagaa atgcttctta ataaagctct ggatgaacca tttatcttct ttcaaaaaat 360
 gtaaaaaacac ataaaaaaagc attatctgac aaagaaaagt agaaaagatt tttatcttta 420
 attagagttt gtatgtataca cttaactttc tgtaatctgc agtgatgaat ctctatgtaa 480
 acattcagaa aaagagcgaa tactgggtca tgacttatga actataaatt ttggcctgga 540
 tactaggcca gnacnggttt ataccnttn 569

<210> 10447

<211> 557

<212> DNA

<213> Homo sapiens

<400> 10447

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 agtgaacaag ttttgggaag tgctgctcca cgggtggccca ataagagtct tgtaaagata 180
 gaaaaagttagg ccccaaaaac aaactcttc ccaccagcca tcagttacta tcttcaaaac 240
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 gctgctgtgg gacagggggag aaccatggnc catccaggca ctctgattcc tggggnttct 480
 ggcctcatca tcatttccca tgggnccaa ggggaccctt aaaccaattt cctcccggtt 540
 ttttgagaaa naaaccc 557

<210> 10448

<211> 561

<212> DNA

<213> Homo sapiens

<400> 10448

cagggccaaa acgtttact ttccatttga atttacaacc atatacagac aatatggtaa 60
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 aagggtgcctt ttaaaatgcg gcttttaga atagcatgtg ttgttctgt ctggatcta 180
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 actgaagttt gcaaaagcat tggtggttt tcattttgga ttaaacactg gaaatgttca 480
 cagagaaaca actgtgtgag ccagttgccccc gtaacacccca ggaagaaccg ncttcaggca 540
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<210> 10449

<211> 519

<212> DNA

<213> Homo sapiens

<400> 10449

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 atccacccat tcgcacggct gctccaggag ggcttgccac agctgcttct cctcagggtgt 180
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 ctggcgcagg tcagcaggcc caaagccatc gtacaccatg gtgtgattga acacagggtct 360
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 gaagcattgt acctaagtgt ccanggatcc tgccgcaacg gcangangtc ccgaacctct 480
 ttanccaaaa tgcagnnttcc cgittggggc aanncttgg 519

<210> 10450

<211> 453

<212> DNA

<213> Homo sapiens

<400> 10450

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tttccagagc	acagggtgaa	aggctaaagg	gctaggactg	gggtgggggg	agcaggaggg	180
catggcagct	gctggctctg	tcctcccagc	ctggtcccac	ccntcctgcc	gttctccttg	240
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agccgcaggg	tcccctccct	gagggccctg	gtccagcacc	tgggtttctg	ggctttttct	360
ggctganctg	gagggcctag	ggccaagccc	actctccgga	gggctggaaa	ccaccnntn	420
aggtggncan	tggggcnccgg	ccanaacggg	gga			453

<210> 10451

<211> 560

<212> DNA

<213> Homo sapiens

<400> 10451

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atagccttta	tataaccttt	acaatcaaa	gctataagac	tatattaaag	aaattatgaa	120
aaactattac	aattgtttt	tcatatgcaa	gatggcacta	gcatctccc	cagaaaggga	180
aggaagaaaa	ggtctcattg	tactttctct	tgaattctcc	tttaggggag	aaaagtagaa	240
ccttacagct	gccagcaatg	caaatcttcc	cattcatgga	atctggaga	agaatatgtt	300
ctttataaat	tcacatgaga	caaagatgcc	aaccagatgc	actgattgtt	gaggtattaa	360
ttttattcaa	ggtgacaatt	aggccttata	aacccctctg	ataatctata	aaaatataaa	420
cagtggtagg	ttttatttt	aagtggaga	agtctggct	aggtggatgg	tgagaatcac	480

aatggaaggt aatattaagt tacccggaat ataagtttgg aacnttgaaa ggacttttt 540
 ataggacatt ttaagaaggn 560

<210> 10452

<211> 557

<212> DNA

<213> Homo sapiens

<400> 10452

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 agtccttaaa gacccatgct tcctcaactgc aaccatcctc agagcttccct tcctgggtgc 180
 gaagaggtca aaactgtctc ctctaggggt caggtcaaaa ctgtccctcc ataggtctcc 240
 tccaggggtc catggcagga agaaagcaga gtgtggcagg aagaaggaag aagagcaaag 300
 gccgcttgggt ctccacctga aaacttctgc ctcgggattt acagccatcc ataagaaaaag 360
 gttaaaaag gagagacttt tgatagagtc aaataatatg tgtttcgggc cattgacacc 420
 atcttctcct nacacgtgat ttgggtggcc ttgaggatgc tataccacac catgccttgc 480
 aggccggacc ttcttggttg gggcagaaaa gataggcact ggtttcaccc ggnntntggat 540
 gtaggcncctt ccnagga 557

<210> 10453

<211> 549

<212> DNA

<213> Homo sapiens

<400> 10453

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 ccagagaaaa ggagtaagtgc ctccaaagtt aaaagttaaa gtcccaccag gcatggnggc 120
 tcaatgttag ttttatcct taaaattgcc tgagttctta gaacacagaa aaaacaaaattt 180

tgaatgcatt tctaacagct taataattta tatgtcccat tatgattttt gcgaaatgtt 240
 ttaaagcaaa gcataattca ctgcaaagat aaacctgaaa aagcaaacaa acttacaat 300
 ggtatgttat gaccttagaca aaactgatta tcaactagta atactcataa ttgcacatg 360
 caacagattg agaaattaaa tcctgngcta tatactctt agtattttgt cagatatac 420
 tttaaatgtt ctatcaattt cattccttc cacacatatt ttaaacagga aaacaatggc 480
 tttcctccan atctcaaggt tatcaggcaa aacgtgcaat ctcgtaaaaa tggttatttc 540
 catggtnntt 549

<210> 10454

<211> 491

<212> DNA

<213> Homo sapiens

<400> 10454

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 acattctagc cggacaagta ggtggctact cagtcattt agaaacttaa ttactagttt 180
 ctagtagcct taaagtctca tttAACATTt aacaaatcaa agagcatgtc agaggctgga 240
 catcaatggc agatgatgcc aaagtcatag ggTTTGCCT ttgtgtacag tgcataaggct 300
 ccaaagcatg acctgcacgt ctgtatactc aggaattttt ggaaaaagaa aatcacactc 360
 ttggccact tttAAAAAGT gaaaaggtag agccttcatt accctagtag agcttaacct 420
 aatncantnc aatgaaccaa ncnggaagaa nggcatnttt acaaaccctt ttcaaaagtc 480
 attggccagc t 491

<210> 10455

<211> 558

<212> DNA

<213> Homo sapiens

<400> 10455

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agtgatcctt	agtccggtaa	catgtcaatg	acagtgcact	ctgtgcctct	cctgcattgt	120
ggggagggca	cttcttaagg	caaagtaaaa	ttcaggacct	gcatgaaatc	agtttgctt	180
ccatttgagt	tcgatttatg	ctattaatag	ttctgatcac	caaatttata	acatttaag	240
tactgtctgt	tacccgatgt	ctggtatgtt	tacataaaaac	gtggttctgc	ccagtaacag	300
cattaagggt	aaaaatgggg	atttccccta	aaatttattac	catcatgtca	tcctagagtg	360
gtacccacct	gggagaggc	caaaaaacaa	agcatttagat	ttcaggctaa	gaacagccag	420
ttttaggagt	aagaattaca	tcgaatagcc	ttaagagcct	ttaaaaaggt	caaggcttct	480
taaacttcag	aaatgaaacc	aaaccaaacc	aaaccaccnc	caaaaccaac	ctacccaacc	540
ccaaaacttt	tggngcca					558

<210> 10456

<211> 484

<212> DNA

<213> Homo sapiens

<400> 10456

caagcaaaaa	attattcttt	taatacagct	tttacaaaaa	cagtttaat	acatgagtgg	60
ctacaatttt	attgtgtaca	caatgtgctt	atagtcacat	gtggcccaat	ggatccaaat	120
gcctcctctg	gctcatgaaa	tcccatgtac	ttcacaatct	agcctaatcg	tgtatatgca	180
taaaagccac	tggtatactt	tttacagaca	tctttgtata	atagtccaga	aaaaaaaaatc	240
agtggtaactt	aagaatgttt	agacaattt	acatctacgt	ttgctttctt	ttctttcag	300
tagccttct	gatgattggg	ggcctttatc	ccataggttt	atactgttaa	aacagtacat	360
aaaattacat	ttagctttgc	ctagagtaat	agataaaaaa	gggtaaatca	cacattttca	420
agaagcttga	gaggnaaaaa	attgcagcat	cgngnntta	aaaaactnnt	taagcnngaa	480
aatc						484

<210> 10457

<211> 552

<212> DNA

<213> Homo sapiens

<400> 10457

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ttagaacaga aaacaaaaaa	aggacaaata gaaatacttt	ccattctgtc tatatagttag	120
tagtttggg ggtatagata	gtaaacacta gtcaagaata	ctcgctaaa tatgttggtt	180
aatgttagtc atcattggc	atgtgttttgc	ctttggtata taatgaagtt gagctatccc	240
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ggtcatttac agaaatatgc	cccaatctag tttaggtata	gaaagaaaaat cattttctcc	360
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atcttctgg ctccatgatg	ctaggcttgg ccacatgact	tgcttaaagc accgtatgga	540
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<210> 10458

<211> 544

<212> DNA

<213> Homo sapiens

<400> 10458

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tcttggc	tcaatgcaat	agaaaactgac atggggccaa aagacttccc agacaaagca	180
cgcgaagggt	agaggatata	ggtagcatc atctgggtgt gatgatcatc tcgagtaatg	240
ggccacctgg	tggctggcc	agcggcaaca aggctgtaaa tcaattaatt attcagcatt	300
ccctcccaag	atgggacact	ctgcaatctt ggcccttat ttggatctcc taaggccagt	360
tcctggaaatt	gtttaagtaa	aagacatggt taagcattat gagagcacag aagaacaata	420

cagaaaggcc atttctttg gatgactaaa gccctnaggg tagcangtat ngngcaatg 480
aagnaatant attgggttt gggatcagtg ggaatgcntg aaaaaaagct ctaatgggg 540
tgaa 544

<210> 10459

<211> 135

<212> DNA

<213> Homo sapiens

<400> 10459

<210> 10460

211 <211> 563

<212> DNA

<213> Homo sapiens

<400> 10460

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tcctcttctt cctcatcttc attcttttagg aaaatccccca cattcttac tttcttcttc 120
acagaagtga gaacagtagc tggccatcc tcatccacaa gcactgtgtc accaatgaac 180
agggcataagg ttttctcttc tggcttttc ccctccttgt tagtcagggtc tgagaatcct 240
aaatttgatgc tgaaaaccat tccttcttc agtttgtatt gatTTTgct attgattact 300
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aacaaggttct ggcttctgct tttaaccac gtccatgaca agcgTTatac acgtcacata 420
tcttcacacc atgncttaat tccttcagaa gttcctcttg aagctgggag caaaaggtagt 480
aatttcttga acttcttgag aagggtcaacc ntcaaaggcg acaaggTTgg agccanaana 540

ctgaagcgaa accntggncagg 563

<210> 10461

<211> 553

<212> DNA

<213> Homo sapiens

<400> 10461

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 tacaggtgcg caccaccacg cccagctaattttttagtagaga cagggtttca 180
 ccgtggtctc aaactcttga cctcgtgatc cgccctgtctc agcctcccaa agtgctgggg 240
 ttacaggtgt aagccactgc gccccagccag taattcttat caaatgaaaa atgatcttca 300
 ttcacaatga ctgaccAAAC ttctgagttt ctttcagttt atttcaaatac ctgaggtcaa 360
 aatcaccaat gactttgct ctttggctt caaagtggga catatcatca aatggcccat 420
 atacncaaaa ttacattat agacaaatnc atattgnca tatgttngaa gcctnattcg 480
 tgatttatacgatttacaa ncntaggtttt ttcttaaaag ggatctgaag tcaatagggt 540
 nactccacccct tgc 553

<210> 10462

<211> 566

<212> DNA

<213> Homo sapiens

<400> 10462

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 gattgcaggc atgtgccacc acgcctggct aatttttttgcatttatagt agatatggtg 180
 tttcaccata ttggccaggc tggctcaaa ctccctgaccccttgtatccac ctgcctcaac 240

ctcccaaagt gctaggatta caggtgttag ccactgcgcc cagccaatta cattttaat 300
 aaccgaata ttacagatca tttcacgtg tccttgcacc ctttatacac atcatatcat 360
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<210> 10463

<211> 560

<212> DNA

<213> Homo sapiens

<400> 10463

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 tatggtaaag agtaaaaaata atataaaaaaa cacagcagtt atagctgtcc aaatgaaagc 180
 ctatctgcaa aaaggcagga caaggtggc tgactgagca aatattcaca tcacgacctt 240
 agtaataaat ttcaaatttgtt ttcagttccc aagatctgaa aagagaatca tcttgcacgc 300
 ttagattcca cttcttcaag aatccactca atgccattca aaaaaccagt cagagtttca 360
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 atcangctt atgacctcan 560

<210> 10464

<211> 30

<212> RNA

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logo-cap linker	sequence	
<400> 1	agcaucgagu cggccuuguu ggccuacugg	30
<210> 10465		
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<212> DNA		
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<211> 21		
<212> DNA		
<223> Description of Artificial Sequence: an artificially synthesized primer sequence		
<400> 3	agcatcgagt cggcctgtt g	21
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<400> 4	gcggctgaag acggcctatg t	21

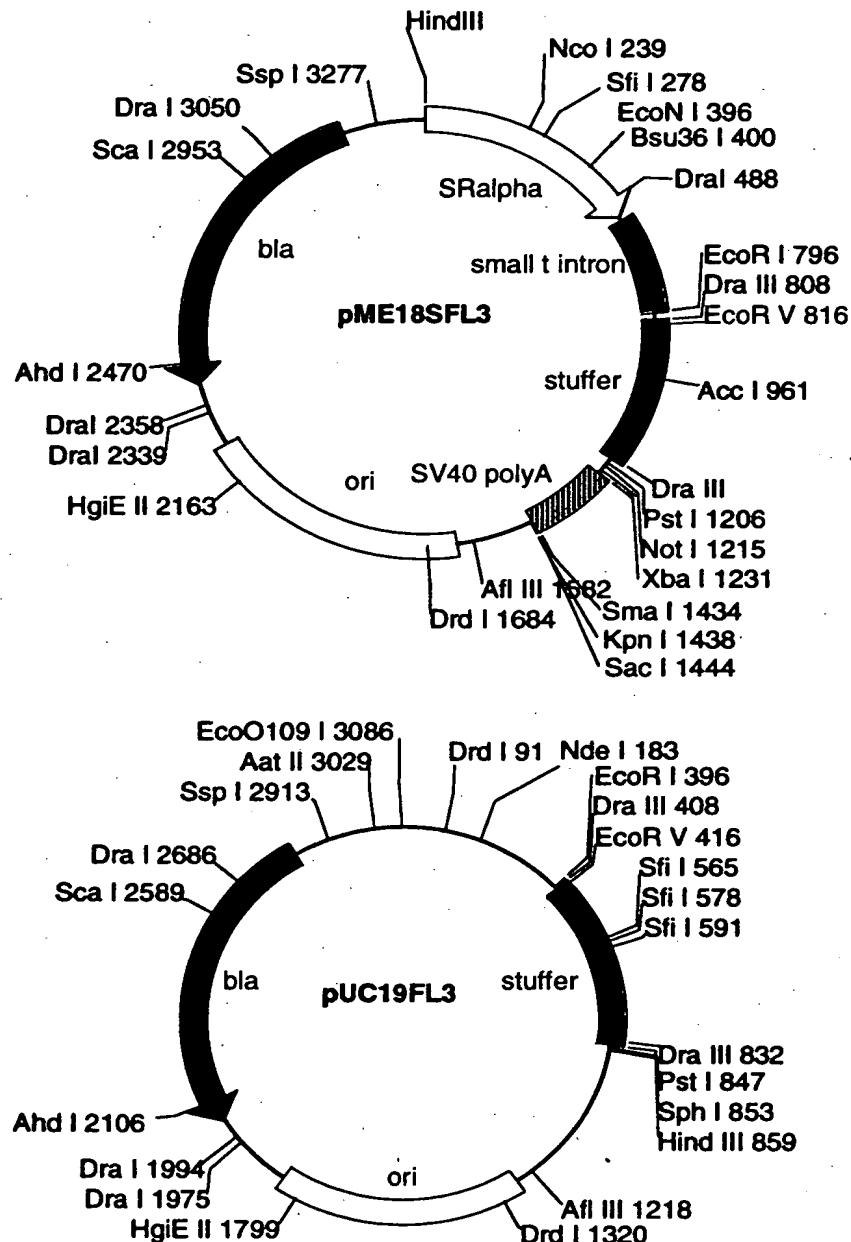
特平11-248036

【図面の簡単な説明】

【図1】 pME18SFL3とpUC19FL3のベクターのマップ

【書類名】 図面

【図1】



【書類名】 要約書

【要約】

【課題】 全長cDNAを合成することができるプライマーとその用途の提供。

【解決手段】 ヒトのタンパク質をコードする5547のcDNAを単離した。そしてこのcDNAの5'側、および3'側の塩基配列を明らかにした。得られた塩基配列に基づいて、全長cDNA合成用プライマーを提供するとともに、cDNAによってコードされるタンパク質の機能を明らかにした。本発明のcDNAは全長であるため、翻訳開始点を含み、タンパク質の機能解析において有用な情報を与える。

【選択図】 なし

出願人履歴情報

識別番号 [597059742]

1. 変更年月日 1997年 4月28日

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